



REG. U. S. PAT. OFF.

**SHEET STEEL  
AND  
WIRE PRODUCTS**

MANUFACTURERS OF  
**COP-R-LOY**

REG. U. S. PAT. OFF.

**CATALOG 332**



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Wheeling Corrugating Company

Wheeling, W. Va.

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SHEET STEEL  
AND  
WIRE PRODUCTS

MANUFACTURERS OF  
**COP-R-LOY**  
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WHEELING CORRUGATING COMPANY  
WHEELING, W. VA.

New York  
Detroit  
Columbus

Chicago  
Kansas City  
Buffalo

Philadelphia  
Minneapolis  
Chattanooga

St. Louis  
Richmond  
Des Moines

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# FORTY YEARS OF SERVICE



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**T**HE year 1930 was the 40th in the history and experience of this company in the manufacture and fabrication of sheet steel and sheet steel building products. Few names in industry today are more symbolic of the products they represent than the name Wheeling, which has continuously stood for excellence in quality, reliability and dependability.

Few names denote a more complete or more extensive line of building products, and no identifying brand is better known than the Wheeling registered trade-mark.

The reward of forty years' service to builders and consumers of sheet steel is a widespread respect and preference for Wheeling Sheet Steel products.

This company faces the future with determination to adhere to its long established policy of maintaining the highest standard of quality.





KANSAS CITY



NEW YORK



CHICAGO



PHILADELPHIA



DETROIT



MINNEAPOLIS





BUFFALO



ST. LOUIS



RICHMOND



DES MOINES



CHATTANOOGA

COLUMBUS





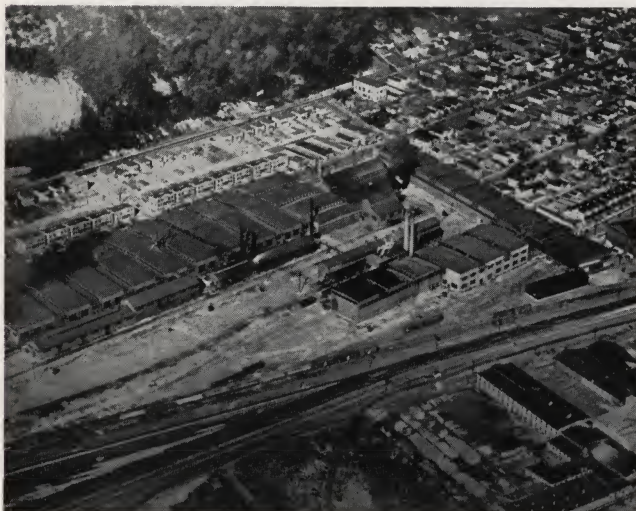
# Scope of Manufacture from Mine to Market



Wheeling Open Pit Ore Mining in the Mesabi District of  
Minnesota

**B**ACK of every Wheeling product is an unbroken chain of successive steps in manufacture which begins with the production of virgin iron ore in the great Mesabi district of Minnesota. Wheeling-owned mines are the source of all iron converted into steel and fabricated into thousands of building necessities

within the Wheeling-owned steel mills and factories. Even to those supplementary steps in production such as transportation over the Great Lakes, the mining of coal, manufacture of coke and by-products, the control is by the one company. Thus throughout the transformation of raw material into finished products



Wheeling Wire, Nail, Fence and Sheet Mills at Portsmouth, Ohio

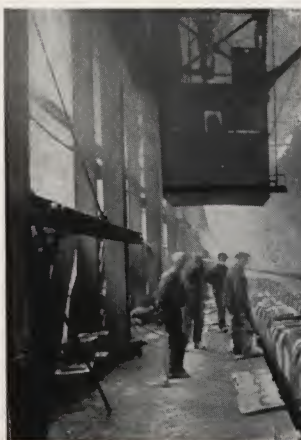


Blast Furnace at Steubenville Works, Steubenville, Ohio

Below, pouring steel ingots at the same plant



Below, a view of the largest continuous mill of its kind in the world at the Steubenville Works



Wheeling quality is dependent only upon the single organization under a single management. Responsibility is undivided at any point from mine to market.

This scope of production indicates the extent of manufacturing resources behind every Wheeling product, large or small. Coordina-

tion of mining, metallurgical and fabricating industries into one large producing unit accounts for the increasing reputation for quality merchandise earned through the years by the name Wheeling, known in every part of the world by the familiar Wheeling trade mark.



Steel Works and Coke Plant at Steubenville, Ohio, and East Steubenville, W. Va.





Wheeling Lath Factory and Sheet Mills at Beech Bottom, W. Va.



Wheeling Cut Nail Mills at Wheeling, W. Va.



Wheeling Tin Plate Plant at Yorkville, Ohio





Wheeling Factory and Sheet Mills at Martins Ferry, Ohio



Wheeling Factory at Wheeling, W. Va.



Wheeling Sheet Warehouses at Martins Ferry, Ohio



# COP-R-LOY in Many Forms is Used for Building Construction and Equipment of Every Type



The New Hilton Hotel at Waco, Texas, is equipped with a ventilating and cooling system made of COP-R-LOY sheets, installed by the Dallas Heating & Ventilating Company of Dallas, Texas



An imposing stone residence of modern type with a fireproof roof of Wheeling Spanish Metal Tile made of COP-R-LOY



All ornamental work and ceiling of this modern art marquee at the entrance of a Tulsa, Oklahoma, store, are made of Wheeling COP-R-LOY Galvanized Sheets; the roof is of Wheeling COP-R-LOY Terne Plate



All plastered corners in the Hawthorne Apartments, St. Louis, Mo., are reinforced and protected by Wheeling Corner Bead made of COP-R-LOY. Other Wheeling products used in this modern apartment building are Wheeling Diamond Mesh Lath and Wheeling Channels

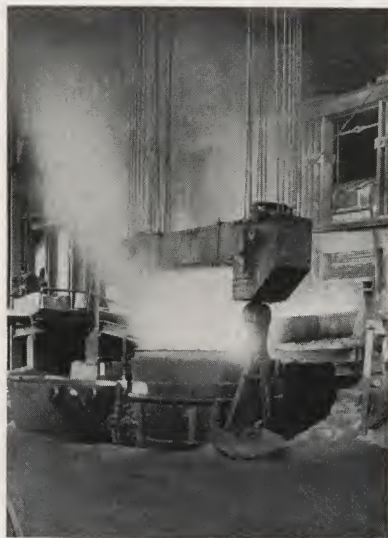




# COP-R-LOY

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**C**OP-R-LOY is a refined ferrous metal made to a prescribed formula which includes special heat treatment and the alloying of pure ingot copper with the metal while it is in a molten state. It is, therefore, an alloy adapted to an extensive range of uses and has been proven to impart to products made of it from two to several times greater resistance to corrosion under exposure than other ferrous metals of varying compositions.



Tapping a Wheeling Open Hearth Steel Furnace

## The Characteristics of COP-R-LOY

The essentials of all good steel are combined in COP-R-LOY to fit it for all general requirements. Abundantly it possesses strength and malleability which are apparent in its extra workability, the feature that has won for COP-R-LOY the endorsement of sheet metal shops everywhere. There are literally hundreds of sheet metal contractors using COP-R-LOY Sheets who insist they will use no other.

Durability is one of its prime characteristics that is important wherever there is a tendency of metals to deteriorate. COP-R-LOY is quite positive in its ability to stubbornly resist the forces of decay and to render far more in service life than many more costly metals.

Under normal conditions of use COP-R-LOY has no equal in this respect. Many are the instances where it has proven its superiority under extremely treacherous conditions of use

and where other metals have failed to deliver a service commensurate with their cost.

Largely because of exceptional performance, COP-R-LOY has been widely regarded as an achievement in metallurgy.

## Adaptability of COP-R-LOY

The price range of COP-R-LOY as well as its durability and workability suggests its use particularly for all sheet metal work or for

items to be made from sheet metal. Reasonable cost affords sizeable savings without the least sacrifice in long and satisfactory service.

It is especially adaptable to roofings, cornices and other building needs. Seventeen of the largest railroad companies specify COP-R-LOY in a number of forms for the express purpose of rendering exposed equipment more immune to the attacks of corrosion.

## Technical Investigations Point to the Superiority of the Copper-Alloying Principle

Unbiased scientific bodies have verified by practical outdoor tests that the proper combination of copper with ferrous metals renders a substantial improvement in ability to withstand the elements which usually make short work of metals lacking such a combination.

The findings of Committee A-5 of the American Society for Testing Materials, after 120 months of testing various kinds of sheet metal under atmospheric conditions at Pittsburgh,



Pa.; Fort Sheridan, Ill.; and Annapolis, Md., are condensed in the following statement:

“ . . . copper-bearing metal shows marked superiority in rust-resisting properties as compared to non-copper-bearing metal of substantially the same general composition . . . under atmospheric exposure.”

### Large Increases in Use of COP-R-LOY

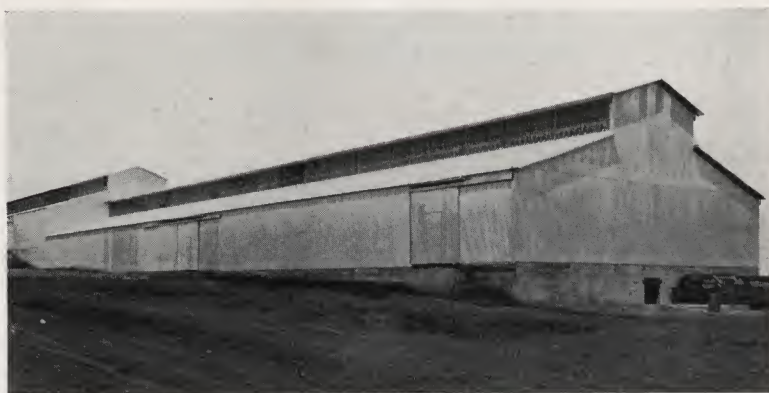
Few metals have such extensive use because few if any have even to a partial extent the advantages which COP-R-LOY offers. For this reason it is used in black and galvanized

sheets, terne sheets and roofing ternes, tin plate, black and galvanized pipe, conduit, culverts, car plates, car roofing, railroad tie-plates, in wire and wire products such as fencing, and in a host of metal articles of general use. The production of COP-R-LOY continuously increases as more and more users learn of its superior features which effect economy while delivering useful and dependable service.

It will be seen that COP-R-LOY is referred to on succeeding pages, and particularly in the sections devoted to Sheets, Roofings and Building Materials.

COP-R-LOY Roofing and Siding are used on all types of buildings to afford adequate protection, long life, and economy. An example is at the right.

Below, the interior of a culvert factory, COP-R-LOY Galvanized Sheets being fabricated into culvert pipe for drainage purposes



Below, a modern poster panel plant, all panels made from COP-R-LOY Galvanized Poster Panel Sheets. COP-R-LOY in this outdoor advertising field is effecting sizeable economies in plant construction and maintenance. Wherever durability is essential COP-R-LOY should be used



Nationally known, the name COP-R-LOY has a definite sales value to the dealer



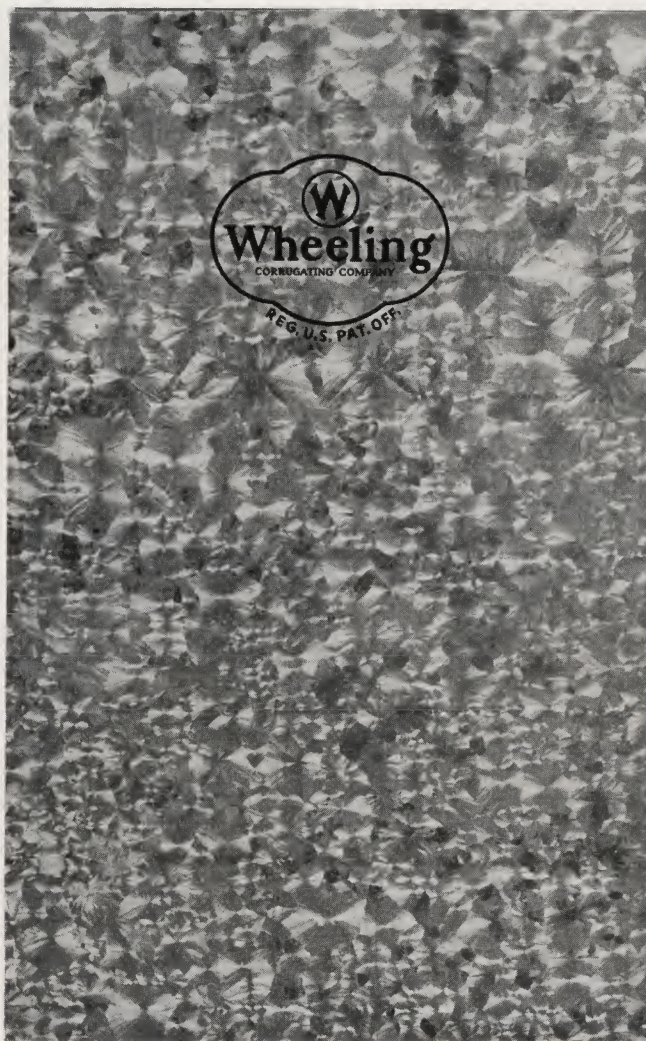
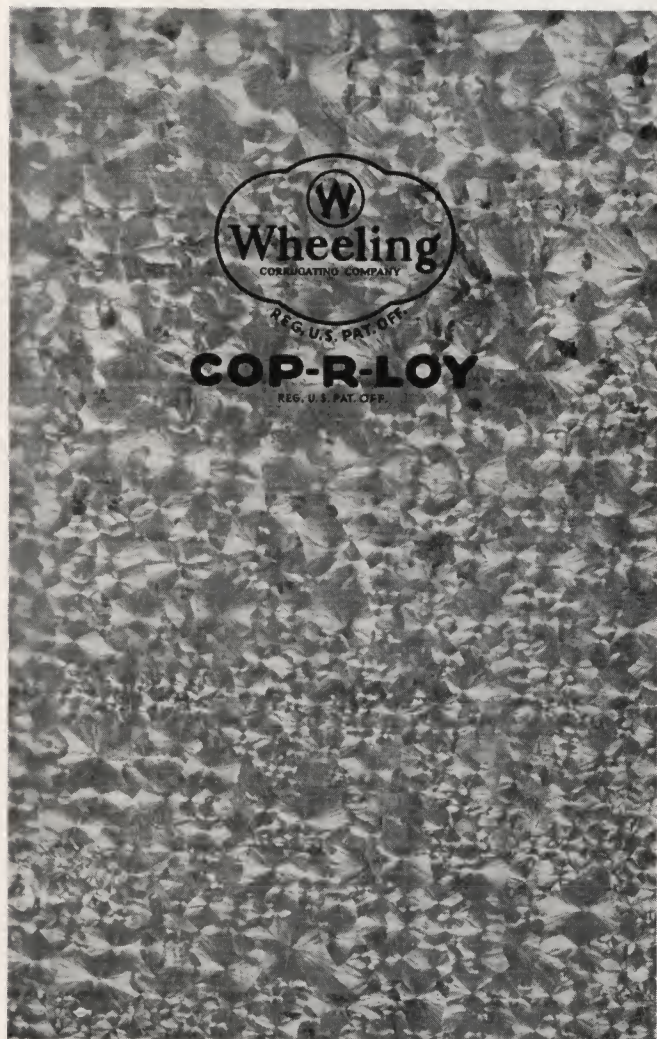


## Wheeling Zinc Coated (GALVANIZED) Sheets

**D**EALERS and sheet metal workers find a distinct sense of satisfaction in the use of Wheeling Zinc Coated (Galvanized) Sheets. True to gauge and size, well coated, clean, flat, soft and workable under all conditions they are of a uniform quality that promotes the greatest economy and advantage in their use for every purpose.

From the mining of the ore to the final operation of pure zinc coating, every process of

manufacture is controlled by one comprehensive management which assures a quality of product that could not otherwise be secured. Supplied in COP-R-LOY or Open Hearth Steel. The use of COP-R-LOY is particularly recommended because of its workability. Also this nationally advertised, rust-resisting metal will give longer and more satisfactory life under all normal and many extremely severe conditions of service.

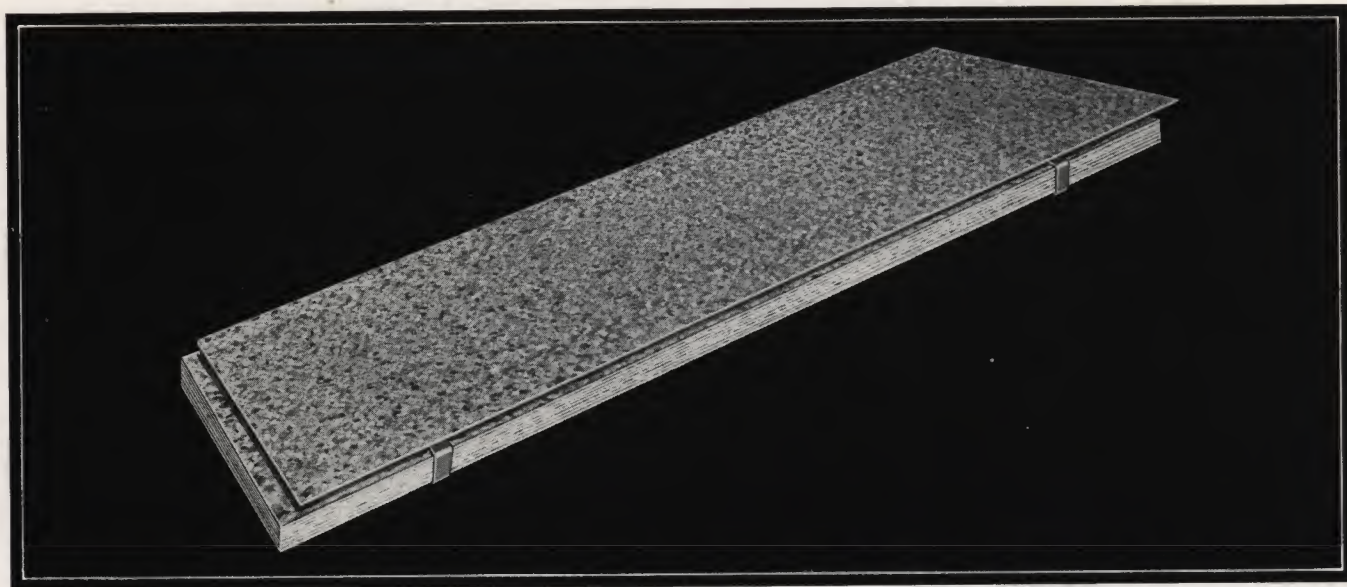


These illustrations show the separate and distinct brands employed for the identification of Wheeling Zinc Coated (Galvanized) Sheets. These sheets, in the sizes and gauges principally used for sheet metal work, are kept in stock at branch warehouses of the company, for prompt shipment





## Wheeling Zinc Coated (GALVANIZED) Sheets



**W**HEELING Zinc Coated (Galvanized) Sheets are flat, true to gauge and uniformly coated with pure molten zinc.

Standard of the industry for over forty years, they are supplied with a base of genuine Wheeling COP-R-LOY or Open Hearth Steel.

Standard Gauges: Nos. 30, 29, 28, 27, 26, 24 and heavier in even gauges.

Standard Widths: 24, 26, 28, 30 and 36 inches.

Standard Lengths: 72, 84, 96 and 120 inches.

### EXTREME SIZES AND GAUGES

U.S.S. Gauges	Widths in Inches													Diameter Circles
	54	48	44	42	40	36	32	30	28	26	24	22	20	
	Lengths in Inches													
10	144	144	144	144	144	144	144	144	144	144	144	144	144	48
12	144	144	144	144	144	144	144	144	144	144	144	144	144	48
14	144	144	144	144	144	144	144	144	144	144	144	144	144	48
16	144	144	144	144	144	144	144	144	144	144	144	144	144	48
18	..	144	144	144	144	144	144	144	144	144	144	144	144	48
20	..	120	120	120	120	144	144	144	144	144	144	120	120	48
22	..	120	120	120	120	144	144	144	144	144	144	120	120	48
24	..	96	96	120	120	144	144	144	144	144	144	120	120	48
26	..	..	..	120	120	144	144	144	144	144	144	120	120	44
27	..	..	..	96	120	144	144	144	144	144	144	120	120	42
28	..	..	..	..	96	144	144	144	144	144	144	120	120	40
29	..	..	..	..	..	144	144	144	144	144	120	120	96	36
30	..	..	..	..	..	144	144	144	144	144	144	96	96	36

### APPROXIMATE THICKNESSES AND WEIGHTS

No. of Gauge	Thickness in decimal parts of an inch	Weights per square foot in ounces	Weights per square foot in pounds	No. of Gauge	Thickness in decimal parts of an inch	Weights per square foot in ounces	Weights per square foot in pounds	No. of Gauge	Thickness in decimal parts of an inch	Weights per square foot in ounces	Weights per square foot in pounds
10	.144925	92½	5.781	17	.06055	38½	2.406	24	.0293	18½	1.156
11	.1293	82½	5.156	18	.0543	34½	2.156	25	.026175	16½	1.031
12	.113675	72½	4.531	19	.04805	30½	1.906	26	.02305	14½	.9062
13	.09805	62½	3.906	20	.0418	26½	1.656	27	.021488	13½	.8437
14	.082425	52½	3.281	21	.038675	24½	1.531	28	.019925	12½	.7812
15	.074613	47½	2.969	22	.03555	22½	1.406	29	.018363	11½	.7187
16	.0668	42½	2.656	23	.032425	20½	1.281	30	.0168	10½	.6562



# Wheeling Zinc Coated (GALVANIZED) Sheets

Sold only on USS Gauge and not to decimal thickness or weight per square foot basis.

## STANDARD DIFFERENTIALS AND EXTRAS

Effective July 1, 1931; subject to change without notice.

### DIFFERENTIALS FOR GAUGES PER 100 LBS.

#### GAUGES

10.	Deduct	\$ .70
11.	Deduct	.65
12.	Deduct	.60
13.	Deduct	.55
14.	Deduct	.50
15.	Deduct	.45
16.	Deduct	.40
17.	Deduct	.35
18.	Deduct	.30
19.	Deduct	.25
20.	Deduct	.20
21.	Deduct	.15
22.	Deduct	.10
23.	Deduct	.05
24.	BASE.	BASE
25.	Add.	.15
26.	Add.	.25
27.	Add.	.35
28.	Add.	.50
29.	Add.	.75
30.	Add.	1.00

### EXTRAS FOR WIDTHS AND LENGTHS PER 100 LBS.

Gauges	12 and Heavier	13-15	16	17-18	19-21	22	23-24	25-26	27	28	29-30
<b>Widths</b>											
Over 32" to 36"	..	..	..	..	..	..	..	..	.05	.20	.20
" 36" to 38"	..	..	.05	.05	.10	.20	.25	.30	.40	.50	..
" 38" to 40"	..	..	.05	.05	.15	.30	.35	.45	.50	.65	..
" 40" to 42"	.05	.05	.05	.05	.15	.35	.45	.65	.70	..	..
" 42" to 44"	.10	.10	.10	.10	.30	.45	.55	.75	.80	..	..
" 44" to 46"	.20	.20	.20	.20	.35	.55	.65	.85	1.00	..	..
" 46" to 48"	.20	.20	.20	.25	.40	.65	.75	1.00	1.25	..	..
" 48" to 50"	.30	.30	.30	.35	.45	.80	.90	..	..	..	..
" 50" to 52"	.35	.35	.35	.40	..	..	..	..	..	..	..
" 52" to 54"	.40	.40	.45	.55	..	..	..	..	..	..	..
Under 24" to 12"	.20	.20	.20	.20	.20	.20	.20	.25	.25	.25	.25
" 12" to 6"	.25	.25	.25	.30	.30	.30	.30	.35	.35	.35	.35
<b>Lengths</b>											
Over 124" to 144"	..	..	..	.10	.10	.10	.10	.10	.10	.10	.10
" 144" to 156"	.25	.25	.25	.50	.50	.50	..	..	..	..	..
" 156" to 168"	.50	.50	.50	.75	.75	..	..	..	..	..	..
Under 60" to 30"	.10	.10	.10	.20	.20	.20	.20	.25	.25	.25	.25
" 30" to 18"	.20	.20	.20	.30	.30	.30	.30	.35	.35	.35	.35





# Wheeling Zinc Coated (GALVANIZED) Sheets

TABLE OF STANDARD SIZES SHOWING WEIGHTS OF SQUARE FEET, SHEETS AND BUNDLES (WITHOUT BANDS) AND NUMBER OF SHEETS IN ONE BUNDLE

Gauges	10				11				12				13				14			
Wt. per sq. ft. (oz.)	92.5				82.5				72.5				62.5				52.5			
Wt. per sq. ft. (lbs.)	5.781				5.156				4.531				3.906				3.281			
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle	Sq. ft. per Sheet
24 x 72	69.37	2	139		61.87	3	186		54.37	3	163		46.87	3	141		39.37	4	157	12.
26 x 72	75.16	2	150		67.03	2	134		58.91	3	177		50.78	3	152		42.66	4	171	13.
28 x 72	80.94	2	162		72.19	2	144		63.44	2	127		54.69	3	164		45.94	3	138	14.
30 x 72	86.72	2	173		77.34	2	155		67.97	2	136		58.59	3	176		49.22	3	148	15.
36 x 72	104.06	2	208		92.81	2	186		81.56	2	163		70.31	2	141		59.06	3	177	18.
24 x 84	80.94	2	162		72.91	2	144		63.44	2	127		54.69	3	164		45.94	3	138	14.
26 x 84	87.64	2	175		78.17	2	156		63.69	2	137		59.22	3	178		49.74	3	149	15.16
28 x 84	94.41	2	189		84.2	2	168		74.	2	148		63.79	3	191		53.58	3	161	16.33
30 x 84	101.17	2	202		90.23	2	180		79.3	2	159		68.36	2	137		57.42	3	172	17.5
36 x 84	121.41	1	121		108.28	2	217		95.16	2	190		82.03	2	164		68.91	2	138	21.
24 x 96	92.5	2	185		82.5	2	165		72.5	2	145		62.5	2	125		52.5	3	157	16.
26 x 96	100.19	2	200		89.36	2	179		78.53	2	157		67.7	2	135		56.86	3	171	17.33
28 x 96	107.88	2	216		96.22	2	192		84.55	2	169		72.89	2	146		61.23	3	184	18.66
30 x 96	115.62	2	231		103.12	2	206		90.62	2	181		78.12	2	156		65.62	2	131	20.
36 x 96	138.75	1	139		123.75	1	124		108.75	1	109		93.75	2	187		78.75	2	157	24.
24 x 120	115.62	2	231		103.12	2	206		90.62	2	181		78.12	2	156		65.62	2	131	20.
26 x 120	125.22	1	125		111.06	1	111		98.15	2	196		84.61	2	169		71.07	2	142	21.66
28 x 120	134.88	1	135		120.3	1	120		105.71	2	211		91.13	2	182		76.55	2	153	23.33
30 x 120	144.53	1	145		128.91	1	129		113.18	1	113		97.66	2	195		82.03	2	164	25.
36 x 120	173.44	1	173		154.69	1	155		135.94	1	136		117.19	1	117		98.44	2	197	30.

Gauges	15				16				17				18				19				20			
Wt. per sq. ft. (oz.)	47.5				42.5				38.5				34.5				30.5				26.5			
Wt. per sq. ft. (lbs.)	2.969				2.656				2.406				2.156				1.906				1.656			
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle		Wt. of Sheet	No. of Sheets	Wt. of B'dle	Sq. ft. per Sheet
24 x 72	35.62	4	142		31.87	5	159		28.87	5	144		25.87	6	155		22.87	7	160		19.87	8	159	12.
26 x 72	38.59	4	154		34.53	4	138		31.28	5	156		28.03	5	140		24.78	6	149		21.53	7	151	13.
28 x 72	41.56	4	166		37.19	4	149		33.69	5	168		30.19	5	151		26.69	6	160		23.19	7	162	14.
30 x 72	44.53	3	134		39.84	4	159		36.09	4	144		32.34	5	162		28.59	5	143		24.84	6	149	15.
36 x 72	53.44	3	160		47.81	3	143		43.31	4	173		38.81	4	155		34.31	4	137		29.81	5	149	18.
24 x 84	41.56	4	166		37.19	4	149		33.69	5	168		30.19	5	151		26.69	6	160		23.19	7	162	14.
26 x 84	45.01	3	135		40.27	4	161		36.48	4	146		32.69	5	163		28.9	5	144		25.11	6	151	15.16
28 x 84	48.48	3	145		43.38	4	174		39.29	4	157		35.21	4	141		31.13	5	156		27.05	5	135	16.33
30 x 84	51.95	3	156		46.48	3	139		42.11	4	168		37.73	4	151		33.36	5	167		28.98	5	145	17.5
36 x 84	62.34	2	125		55.78	3	167		50.53	3	152		45.28	3	136		40.03	4	160		34.78	4	139	21.
24 x 96	47.5	3	142		42.5	4	170		38.5	4	154		34.5	4	138		30.5	5	152		26.5	6	159	16.
26 x 96	51.45	3	154		46.03	3	138		41.7	4	167		37.37	4	149		33.04	5	165		28.7	5	143	17.33
28 x 96	55.4	3	166		49.57	3	149		44.9	4	180		40.24	4	161		35.57	4	142		30.91	5	155	18.66
30 x 96	59.37	3	178		53.12	3	159		48.12	3	144		43.12	4	172		38.12	4	152		33.12	5	166	20.
36 x 96	71.25	2	142		63.75	2	127		57.75	3	173		51.75	3	155		45.75	3	137		39.75	4	159	24.
24 x 120	59.37	3	178		53.12	3	159		48.12	3	144		43.12	3	129		38.12	4	152		33.12	5	166	20.
26 x 120	64.3	2	129		57.53	3	173		52.12	3	156		46.7	3	140		41.29	4	165		35.87	4	143	21.66
28 x 120	69.26	2	139		61.97	3	186		56.14	3	168		50.31	3	151		44.47	3	333		38.64	4	155	23.33
30 x 120	74.22	2	148		66.41	2	133		60.16	3	180		53.91	3	162		47.66	3	143		41.41	4	166	25.
36 x 120	89.06	2	178		79.69	2	159		72.19	2	144		64.69	2	129		57.19	3	172		49.69	3	149	30.





# Wheeling Zinc Coated (GALVANIZED) Sheets

TABLE OF STANDARD SIZES SHOWING WEIGHTS OF SQUARE FEET, SHEETS AND BUNDLES (WITHOUT BANDS) AND NUMBER OF SHEETS IN ONE BUNDLE

Gauges	21			22			23			24			25			
Wt. per sq. ft. (oz.)	24.5			22.5			20.5			18.5			16.5			
Wt. per sq. ft. (lbs.)	1.531			1.406			1.281			1.156			1.031			
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Sq. ft. per Sheet
24 x 72	18.37	8	147	16.87	9	152	15.37	10	154	13.87	11	153	12.37	12	148	12.
26 x 72	19.91	8	159	18.28	8	146	16.66	9	150	15.03	10	150	13.41	11	148	13.
28 x 72	21.44	7	150	19.69	8	158	17.94	8	144	16.19	9	146	14.44	11	159	14.
30 x 72	22.97	7	161	21.09	7	148	19.22	8	154	17.34	9	156	15.47	10	155	15.
36 x 72	27.56	6	165	25.31	6	152	23.06	7	161	20.81	7	146	18.56	8	148	18.
24 x 84	21.44	7	150	19.69	8	158	17.94	8	144	16.19	9	146	14.44	11	159	14.
26 x 84	23.21	7	162	21.32	7	149	19.42	8	155	17.53	8	140	15.63	10	156	15.16
28 x 84	25.01	6	150	22.96	7	161	20.92	7	146	18.88	8	151	16.84	9	152	16.33
30 x 84	26.8	6	161	24.61	6	148	22.42	7	157	20.23	7	142	18.05	8	144	17.5
36 x 84	32.16	5	161	29.53	5	148	26.91	6	161	24.28	6	146	21.66	7	152	21.
24 x 96	24.5	6	147	22.5	7	157	20.5	7	143	18.5	8	148	16.5	9	148	16.
26 x 96	26.54	6	159	24.37	6	146	22.2	7	155	20.04	8	160	17.87	8	143	17.33
28 x 96	28.57	5	143	26.24	6	157	23.91	6	143	21.58	7	151	19.24	8	154	18.66
30 x 96	30.62	5	153	28.12	5	141	25.62	6	154	23.12	7	162	20.62	7	144	20.
36 x 96	36.75	4	147	33.75	5	169	30.75	5	154	27.75	6	166	24.75	6	148	24.
24 x 120	30.62	5	153	28.12	5	141	25.62	6	154	23.12	7	162	20.62	7	144	20.
26 x 120	33.17	5	166	30.46	5	152	27.75	6	166	25.04	6	150	22.34	7	156	21.66
28 x 120	35.72	4	143	32.81	5	164	29.89	5	149	26.98	6	162	24.06	6	144	23.33
30 x 120	38.28	4	153	35.16	4	141	32.03	5	160	28.91	5	145	25.78	6	155	25.
36 x 120	45.94	3	138	42.19	4	169	38.44	4	154	34.69	5	173	30.94	5	155	30.

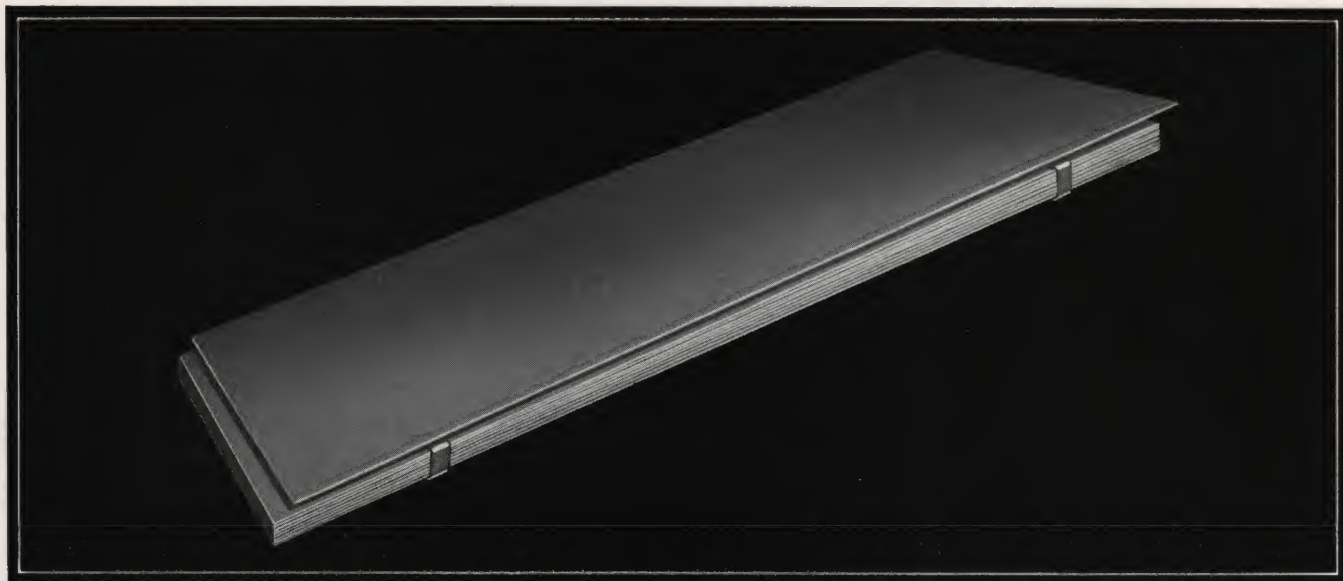
Gauges	26				27				28				29				30			
Wt. per sq. ft. (oz.)	14.5				13.5				12.5				11.5				10.5			
Wt. per sq. ft. (lbs.)	.9062				.8437				.7812				.7187				.6562			
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Sq. ft. per Sheet	
24 x 72	10.87	14	152	10.12	15	152	9.37	16	150	8.62	17	147	7.87	19	150				12.	
26 x 72	11.78	13	153	10.97	14	154	10.16	15	152	9.34	16	149	8.53	17	145				13.	
28 x 72	12.69	12	152	11.81	13	154	10.94	14	153	10.06	15	151	9.19	16	147				14.	
30 x 72	13.59	11	149	12.66	12	152	11.72	13	152	10.78	15	162	9.84	15	148				15.	
36 x 72	16.31	9	147	15.19	10	152	14.06	11	155	12.94	12	155	11.81	13	154				18.	
24 x 84	12.69	12	152	11.81	13	154	10.94	14	153	10.06	15	151	9.19	16	147				14.	
26 x 84	13.74	11	151	12.79	12	153	11.84	13	154	10.9	14	153	9.95	15	149				15.16	
28 x 84	14.8	10	148	13.78	11	152	12.76	12	153	11.74	13	153	10.72	14	150				16.33	
30 x 84	15.86	10	159	14.77	10	148	13.67	11	150	12.58	12	151	11.48	13	149				17.5	
36 x 84	19.03	8	152	17.72	9	159	16.41	9	148	15.09	10	151	13.78	11	152				21.	
24 x 96	14.5	10	145	13.5	11	148	12.5	12	150	11.5	13	149	10.5	15	157				16.	
26 x 96	15.71	10	157	14.62	10	146	13.54	11	149	12.46	12	150	11.37	13	148				17.33	
28 x 96	16.91	9	152	15.74	10	157	14.58	10	146	13.41	11	148	12.25	12	147				18.66	
30 x 96	18.12	8	145	16.87	9	152	15.62	10	156	14.37	10	144	13.12	11	144				20.	
36 x 96	21.75	7	152	20.25	8	162	18.75	8	150	17.25	9	155	15.75	10	157				24.	
24 x 120	18.12	8	145	16.87	9	152	15.62	10	156	14.37	10	144	13.12	11	144				20.	
26 x 120	19.63	8	157	18.28	8	146	16.92	9	152	15.57	10	156	14.21	11	156				21.66	
28 x 120	21.14	7	148	19.68	8	157	18.23	8	146	16.77	9	151	15.31	10	153				23.33	
30 x 120	22.66	7	159	21.09	7	148	19.53	8	156	17.97	9	162	16.41	9	148				25.	
36 x 120	27.19	6	163	25.31	6	152	23.44	7	164	21.56	7	151	19.69	8	158				30.	





# Wheeling Hot Rolled Annealed Sheets

(Formerly known as O. P. C. R. Sheets)



**T**HESE are flat sheets, true to gauge and uniformly smooth, adapted to an extensive range of use where uncoated sheets are the re-

quirement. As in the case of all Wheeling sheets, they are supplied in genuine Wheeling COP-R-LOY or Open Hearth Steel.

Standard Gauges: Nos. 30, 29, 28, 27, 26 and 24 and heavier in even gauges.  
 Standard Widths: 24, 26, 28, 30, and 36 inches.  
 Standard Lengths: 72, 84, 96, and 120 inches; also 24 x 101 for making stove pipe.

## EXTREME SIZES AND GAUGES

U.S.S. Gauges	Widths in Inches											
	48	44	42	40	36	32	30	28	26	24	22	20
	Lengths in Inches											
	16-Gauge and Heavier											
12	..	..	..	100	117	117	120	120	120	120	84	84
14	144	144	144	144	144	120	132	132	144	144	120	120
15	144	144	144	144	144	120	132	132	144	144	120	120
16	144	144	144	144	144	120	132	132	144	144	120	120
17-Gauge and Lighter												
17	144	144	144	144	144	120	144	144	144	144	120	120
18	144	144	144	144	144	144	144	144	144	144	120	120
19	144	144	144	144	144	144	144	144	144	144	120	120
20	144	144	144	144	144	144	144	144	144	144	120	120
21	144	144	144	144	144	144	144	144	144	144	120	120
22	144	144	144	144	144	144	144	144	144	144	120	120
23	144	144	144	144	144	144	144	144	144	144	120	120
24	96	120	120	120	144	144	144	144	144	144	120	120
25	..	..	..	..	144	144	144	144	144	144	120	120
26	..	..	120	120	144	144	144	144	144	144	96	120
27	..	..	96	120	144	144	144	144	144	144	96	120
28	..	..	..	96	144	144	144	144	144	144	120	96
29	..	..	..	..	144	144	144	144	144	144	120	96
30	..	..	..	..	144	144	144	144	144	144	96	96



# Wheeling Hot Rolled Annealed Sheets

## STANDARD DIFFERENTIALS AND EXTRAS

Effective July 1, 1931; subject to change without notice

### DIFFERENTIALS FOR GAUGES PER 100 LBS.

#### No. 16 GAUGE AND HEAVIER 24 INCH AND WIDER

Sold Only on No. 10 Gauge Base

Gauges Differentials per 100 lbs.

7 . . . .	Deduct . . . .	\$.05
8 . . . .	Deduct . . . .	.05
9 . . . .	Base . . . .	Base
10 . . . .	Base . . . .	Base
11 . . . .	Add. . . . .	.05
12 . . . .	Add. . . . .	.10
13 . . . .	Add. . . . .	.15
14 . . . .	Add. . . . .	.20
15 . . . .	Add. . . . .	.25
16 . . . .	Add. . . . .	.30

#### No. 17 GAUGE AND LIGHTER 24 INCH AND WIDER

Sold Only on No. 24 Gauge Base

Gauges Differentials per 100 lbs.

17 . . . .	Deduct . . . .	\$.35
18 . . . .	Deduct . . . .	.30
19 . . . .	Deduct . . . .	.25
20 . . . .	Deduct . . . .	.20
21 . . . .	Deduct . . . .	.15
22 . . . .	Deduct . . . .	.10
23 . . . .	Deduct . . . .	.05
24 . . . .	Base . . . .	Base
25 . . . .	Add. . . . .	.05
26 . . . .	Add. . . . .	.10
27 . . . .	Add. . . . .	.15
28 . . . .	Add. . . . .	.25
29 . . . .	Add. . . . .	.40
30 . . . .	Add. . . . .	.50

### EXTRAS FOR WIDTHS AND LENGTHS PER 100 LBS.

#### WIDTHS

U.S.S. Gauge	OVER									UNDER				
	32" to 36"	36" to 38"	38" to 40"	40" to 42"	42" to 44"	44" to 46"	46" to 48"	48" to 50"	50" to 52"	24" to 12"	12" to 6"	6" to 3"	3" to 2"	2" to 1"
16 and Heavier	..	..	..	..	..	..	..	.10	.15	.10	.20	.40	.80	1.30
17-18	..	..	..	..	.05	.10	.15	.20	.25	.15	.25	.50	1.00	1.50
19-21	..	..	..	..	.15	.20	.25	.30	.35	.15	.25	.50	1.00	1.50
22	..	.10	.15	.20	.30	.40	.50	..	..	.15	.25	.50	1.00	1.50
23-24	..	.15	.20	.30	.40	.50	.60	..	..	.15	.25	.50	1.00	1.50
25-27	..	.20	.30	.50	.60	..	..	..	..	.20	.30	.60	1.25	1.75
28	.15	.30	.45	..	..	..	..	..	..	.20	.30	..	..	..
29-30	.15	..	..	..	..	..	..	..	..	.20	.30	..	..	..

#### LENGTHS

U.S.S. Gauge	OVER							UNDER			
	124 "	144 "	168 "	192 "	204 "	216 "	228 "	60 "	30 "	18 "	10 "
	to 144 "	to 168 "	to 192 "	to 204 "	to 216 "	to 228 "	to 240 "	to 30 "	to 18 "	to 10 "	to 6 "
16 and Heavier	. .	.50	.75	1.00	1.00	1.50	2.00	.10	.15	.25	.45
17-18	.10	.50	.75	1.00	. .	. .	. .	.15	.25	.35	.55
19-22	.10	.50	.75	1.00	. .	. .	. .	.15	.25	.35	.55
23-24	.10	.50	.75	1.00	. .	. .	. .	.15	.25	.35	.55
25 and Lighter	.10	. .	. .	. .	. .	. .	. .	.20	.30	.40	.60





# Wheeling Hot Rolled Annealed Sheets

TABLE OF STANDARD SIZES SHOWING WEIGHTS OF SQUARE FEET, SHEETS AND BUNDLES (WITHOUT BANDS) AND NUMBER OF SHEETS IN ONE BUNDLE

Gauges		10			11			12			13			14						
Wt. per sq. ft. (oz.)		90.			80.			70.			60.			50.						
Wt. per sq. ft. (lbs.)		5.625			5.			4.375			3.75			3.125						
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Sq. ft. per Sheet				
24 x 72	67.5	2	135	60.	3	180	52.5	3	157	45.	3	135	37.5	4	150	12.				
26 x 72	73.13	2	146	65.	2	130	56.88	3	171	48.75	3	146	40.63	4	162	13.				
28 x 72	78.75	2	157	70.	2	140	61.25	2	122	52.5	3	157	43.75	3	131	14.				
30 x 72	84.38	2	169	75.	2	150	65.63	2	131	56.25	3	169	46.88	3	141	15.				
36 x 72	101.25	1	101	90.	2	180	78.75	2	157	67.5	2	135	56.25	3	169	18.				
24 x 84	78.75	2	157	70.	2	140	61.25	2	122	52.5	3	157	43.75	3	131	14.				
26 x 84	85.31	2	171	75.83	2	152	66.35	2	133	56.88	3	171	47.4	3	142	15.16				
28 x 84	91.88	2	184	81.67	2	163	71.46	2	143	61.25	2	122	51.04	3	153	16.33				
30 x 84	98.44	1	98	87.5	2	175	75.56	2	153	65.63	2	131	54.69	3	164	17.5				
36 x 84	118.13	1	118	105.	1	105	91.88	2	184	78.75	2	157	65.63	2	131	21.				
24 x 96	90.	2	180	80.	2	160	70.	2	140	60.	2	120	50.	3	150	16.				
26 x 96	97.5	2	195	86.67	2	173	75.83	2	152	65.	2	130	54.17	3	162	17.33				
28 x 96	105.	1	105	93.33	2	187	81.67	2	163	70.	2	140	58.33	3	175	18.66				
30 x 96	112.5	1	113	100.	1	100	87.5	2	175	75.	2	150	62.5	2	125	20.				
36 x 96	135.	1	135	120.	1	120	105.	1	105	90.	2	180	75.	2	150	24.				
Gauges		15			16			17			18			19			20			
Wt. per sq. ft. (oz.)		42.4			40.			36.			32.			28.			22.			
Wt. per sq. ft. (lbs.)		2.8125			2.5			2.25			2.			1.75			1.5			
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Sq. ft. per Sheet	
24 x 72	33.75	4	135	30.	5	150	27.	6	162	24.	6	144	21.	7	147	18.	8	144	12.	
26 x 72	36.56	4	146	32.5	5	162	29.25	5	146	26.	6	156	22.75	7	159	19.5	8	156	13.	
28 x 72	39.37	4	157	35.	4	140	31.5	5	157	28.	5	140	24.5	6	147	21.	7	147	14.	
30 x 72	42.19	4	169	37.5	4	150	33.75	4	135	30.	5	150	26.25	6	157	22.5	7	157	15.	
36 x 72	50.63	3	152	45.	3	135	40.5	4	162	36.	4	144	35.	5	157	27.	5	135	18.	
24 x 84	39.38	4	157	35.	4	140	31.5	5	157	28.	5	140	24.5	6	147	21.	7	147	14.	
26 x 84	42.66	3	128	37.92	4	152	34.13	4	136	30.33	5	152	26.54	6	159	22.75	7	159	15.16	
28 x 84	45.94	3	138	40.83	4	163	36.75	4	147	32.67	5	163	28.58	5	143	24.5	6	147	16.33	
30 x 84	49.22	3	148	43.75	3	131	39.38	4	157	35.	4	140	30.63	5	153	26.25	6	157	17.5	
36 x 84	59.06	2	118	52.5	3	157	47.25	3	142	42.	4	168	36.75	4	147	31.5	5	157	21.	
24 x 96	45.	3	135	40.	4	160	36.	4	144	32.	5	160	28.	5	140	24.	6	144	16.	
26 x 96	48.75	3	146	43.33	3	130	39.	4	156	34.67	4	139	30.33	5	152	26.	6	156	17.33	
28 x 96	52.5	3	157	46.67	3	140	42.	4	168	37.33	4	149	32.67	5	163	28.	5	140	18.66	
30 x 96	56.25	3	169	50.	3	150	45.	3	135	40.	4	160	35.	4	140	30.	5	150	20.	
36 x 96	67.5	2	135	60.	2	120	54.	3	162	48.	3	144	42.	4	168	36.	4	144	24.	



# Wheeling Hot Rolled Annealed Sheets

TABLE OF STANDARD SIZES SHOWING WEIGHTS OF SQUARE FEET, SHEETS AND BUNDLES (WITHOUT BANDS) AND NUMBER OF SHEETS IN ONE BUNDLE

Gauges 21				22			23			24			25			Sq. ft. per Sheet
Wt. per sq. ft. (oz.)		21.5		20.			18.			16.			14.			
Wt. per sq. ft. (lbs.)		1.375		1.25			1.125			1.			.875			
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	
24 x 72	16.5	9	148	15.	10	150	13.5	11	148	12.	12	144	10.51	14	147	12.
26 x 72	17.88	8	143	16.25	9	146	14.63	10	146	13.	11	143	11.38	13	148	13.
28 x 72	19.25	8	154	17.5	8	140	15.75	9	142	14.	11	154	12.25	12	147	14.
30 x 72	20.63	7	144	18.75	8	150	16.88	9	152	15.	10	150	13.13	11	144	15.
36 x 72	24.75	6	148	22.5	7	157	20.25	7	142	18.	8	144	15.75	9	142	18.
24 x 84	19.25	8	154	17.5	8	140	15.75	9	142	14.	11	154	12.25	12	147	14.
26 x 84	20.85	7	146	18.96	8	152	17.06	9	153	15.16	10	152	13.27	11	146	15.16
28 x 84	22.46	7	157	20.42	7	143	18.37	8	147	16.33	9	147	14.29	10	143	16.33
30 x 84	24.06	6	144	21.88	7	153	19.69	8	157	17.5	8	140	15.31	10	153	17.5
36 x 84	28.88	5	144	26.25	6	157	23.63	6	142	21.	7	147	18.38	8	147	21.
24 x 96	22.	7	154	20.	7	140	18.	8	144	16.	9	144	14.	10	140	16.
26 x 96	23.83	6	143	21.67	7	152	19.5	8	156	17.33	9	156	15.17	10	152	17.33
28 x 96	25.67	6	154	23.33	6	140	21.	7	147	18.67	8	149	16.33	9	147	18.66
30 x 96	27.5	6	165	25.	6	150	22.5	7	157	20.	7	140	17.5	8	140	20.
36 x 96	33.	5	165	30.	5	150	27.	6	162	24.	6	144	21.	7	147	24.
Gauges 26				27			28			29			30			Sq. ft. per Sheet
Wt. per sq. ft. (oz.)		12.		11.04			10.			9.			8.			
Wt. per sq. ft. (lbs.)		.75		.6875			.625			.5625			.5			
Size of Sheet	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	Wt. of Sheet	No. of Sheets	Wt. of B'dle	
24 x 72	9.	16	144	8.25	18	148	7.5	20	150	6.75	22	148	6.	25	150	12.
26 x 72	9.75	15	146	8.94	16	143	8.13	18	146	7.31	20	146	6.5	23	149	13.
28 x 72	10.5	14	147	9.63	16	154	8.75	17	149	7.88	19	150	7.	21	147	14.
30 x 72	11.25	13	146	10.31	14	144	9.38	16	150	8.44	18	152	7.5	20	150	15.
36 x 72	13.5	11	148	12.38	12	148	11.25	13	146	10.13	15	152	9.	16	144	18.
24 x 84	10.5	14	147	9.63	15	144	8.75	17	149	7.88	19	150	7.	21	147	14.
26 x 84	11.38	13	148	10.43	14	146	9.48	16	152	8.53	17	145	7.58	19	144	15.16
28 x 84	12.25	12	147	11.23	13	146	10.21	14	143	9.19	16	147	8.17	19	155	16.33
30 x 84	13.13	11	144	12.03	12	144	10.94	14	153	9.84	15	148	8.75	17	149	17.5
36 x 84	15.75	9	142	14.44	10	144	13.13	11	144	11.81	13	153	10.5	14	147	21.
24 x 96	12.	12	144	11.	13	143	10.	15	150	9.	16	144	8.	18	144	16.
26 x 96	13.	11	143	11.92	12	143	10.83	14	152	9.75	15	146	8.67	17	147	17.33
28 x 96	14.	11	154	12.83	12	154	11.67	13	152	10.5	14	147	9.33	16	149	18.66
30 x 96	15.	10	150	13.75	11	151	12.5	12	150	11.25	13	146	10.	15	150	20.
36 x 96	18.	8	144	16.5	9	148	15.	10	150	13.5	11	148	12.	12	144	24.





## WHEELING BLUED STOVE PIPE SHEETS

**T**HESE are special finished sheets, evenly colored throughout, uniformly smooth, flat and true to gauge, and carefully inspected. They are especially adapted to the manufacture of

stove pipe, stove pipe elbows, and similar products. Gauges No. 26, No. 27, and No. 28 in size 24 x 101 inches usually carried in stock for immediate shipment.

## WHEELING TIN MILL BLACK AND SPECIAL SHEETS

**W**HEELING Tin Mill Black Hot Rolled Annealed and Special Sheets are supplied in a full range of gauges and finishes. They are made of COP-R-LOY or Open Hearth Steel. Complete information will be furnished upon

request including standard extras for oiling, liming, roller leveling, stretcher leveling, re-squaring and differentials for all standard widths and lengths. Submit specifications for special forming requirements.

## United States Standard Gauge for Sheet and Plate Iron and Steel

Adopted July 1, 1893

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, that for the purpose of securing uniformity the following is established as the only standard gauge for sheet and plate iron and steel in the United States of America, namely:

No. of gauge	Approximate thickness in fractions of an inch	Approximate thickness in decimal parts of an inch	Weight per square foot in ozs. avoirdupois	Weight per square foot in lbs. avoirdupois, iron
0000000	1-2	.5	320	20.
000000	15-32	.46875	300	18.75
00000	7-16	.4375	280	17.5
0000	13-32	.40625	260	16.25
000	3-8	.375	240	15.
00	11-32	.34375	220	13.75
0	5-16	.3125	200	12.5
1	9-32	.28125	180	11.25
2	17-64	.265625	170	10.625
3	1-4	.25	160	10.
4	15-64	.234375	150	9.375
5	7-32	.21875	140	8.75
6	13-64	.203125	130	8.125
7	3-16	.1875	120	7.5
8	11-64	.171875	110	6.875
9	5-32	.15625	100	6.25
10	9-64	.140625	90	5.625
11	1-8	.125	80	5.
12	7-64	.109375	70	4.375
13	3-32	.09375	60	3.75
14	5-64	.078125	50	3.125
15	9-128	.0703125	45	2.8125
16	1-16	.0625	40	2.5
17	9-160	.05625	36	2.25

No. of gauge	Approximate thickness in fractions of an inch	Approximate thickness in decimal parts of an inch	Weight per square foot in ozs. avoirdupois	Weight per square foot in lbs. avoirdupois, iron
18	1-20	.05	32	2.
19	7-160	.04375	28	1.75
20	3-80	.0375	24	1.5
21	11-320	.034375	22	1.375
22	1-32	.03125	20	1.25
23	9-320	.028125	18	1.125
24	1-40	.025	16	1.
25	7-320	.021875	14	.875
26	3-160	.01875	12	.75
27	11-640	.0171875	11	.6875
28	1-64	.015625	10	.625
29	9-640	.0140625	9	.5625
30	1-80	.0125	8	.5
31	7-640	.0109375	7	.4375
32	13-1280	.01015625	6½	.40625
33	3-320	.009375	6	.375
34	11-1280	.00859375	5½	.34375
35	5-640	.0078125	5	.3125
36	9-1280	.00703125	4½	.28125
37	17-2560	.006640625	4¼	.265625
38	1-160	.00625	4	.25

### ALLOWABLE VARIATIONS

The standard for gauge and weights is that adopted by the U. S. Government, March 23, 1893. The allowable variations for standard weights, No. 16 USS Gauge is 5 per cent plus or minus; No. 17 USS to No. 22 USS Gauges inclusive is 3½ per cent

plus or minus; No. 23 USS Gauge and lighter 2½ per cent plus or minus. The basis for considering weight shall be steel and not iron, as listed in the original act of July 1, 1893, steel being about 2 per cent heavier than iron.





# Wheeling Roofings

**T**HE Wheeling line of formed roofings is complete — the result of 40 years in the manufacture of sheet metal products. You can satisfy metal roofing customers with these styles: Corrugated, V-Crimp, Pressed Standing Seam, Self-Capping Roll, Roll and Cap, Spanish Metal Tile and Metal Shingles. They are made in standard gauges. For longer service number 28 gauge and heavier, as fa-



vored by the United States Department of Commerce in its Simplified Practice Specifications, are recommended.

Metals used are Wheeling Open Hearth Steel, known for its high grade uniform quality, and COP-R-LOY, the special copper alloyed metal, which for 20 years has earned an enviable reputation for exceptional durability under exposure to the elements. (See page 13 for description.)

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## SUBSTANTIAL SAVING

Time and weather tests never fail to prove the money-saving advantages of metal roofing. Point out to roofing prospects the established facts. No other material approaches Wheeling Roofings in durability, long life, low maintenance cost, ease and speed of application, attractiveness, and protection against the hazards of fire and lightning.

## LOWER UPKEEP

Roofs should be bought for permanency. Wheeling Roofings are best sold on this basis. Their cost per year of service is usually far less than other roofing materials that must be continually stained, painted, tarred, gravelled or otherwise maintained after the original installation. Like the purchase of an automobile or farm machinery—roofing should be considered on the cost-per-year-of-service basis. With reasonable care it will last a lifetime.

A Wheeling Zinc Coated Roof, put on in 1894, won the "Oldest Roof and Siding Contest" conducted by the Zinc Institute in 1926. When last reported the roof, located on a building nine miles west of Fort Madison, Iowa, was still in first class condition.

## FEW REPLACEMENTS

Wheeling Roofings do not curl up and crack under exposure to sun, wind, rain and snow. They are the strongest and most rigid roofings manufactured. Replacements, for these reasons, are few and far between.

The steel roof coated with pure zinc reflects the rays of the sun. The difference in transmission of heat between steel and wood roofs has been shown by actual test to be less than  $\frac{1}{10}$  of a degree of temperature. After sundown the steel roof cools far more rapidly than roofs of absorptive qualities.

## FIRE-PROOF

Metal roofing is non-inflammable and affords protection to buildings from external causes of fire. Internal fires are confined and do not spread to other buildings.

## LIGHTNING-PROOF

Government statistics reveal the astonishing total of one hundred farm buildings destroyed each day by fire due to lightning and a minimum of \$20,000,000 property per annum. Metal roofing properly grounded offers the most perfect lightning protective system as



established by experience and exhaustive laboratory tests.

It has been repeatedly proved that a metal roof properly grounded makes lightning harmless. In fact a building so roofed may be struck by lightning without the occupants of the structure being aware of the occurrence.

In rural communities, sparsely settled and without organized, modern fire-fighting apparatus, nine times more fires are caused by lightning than in the larger cities. The greater use of steel roofing in the larger centers of population is a protecting element. No fire has ever been reported as a result of lightning striking a metal roof.

## SAVE WITH STEEL



Lightning and a wood roof brought this sad result



Two brick chimneys, remains of a once fine home which had an inflammable roof

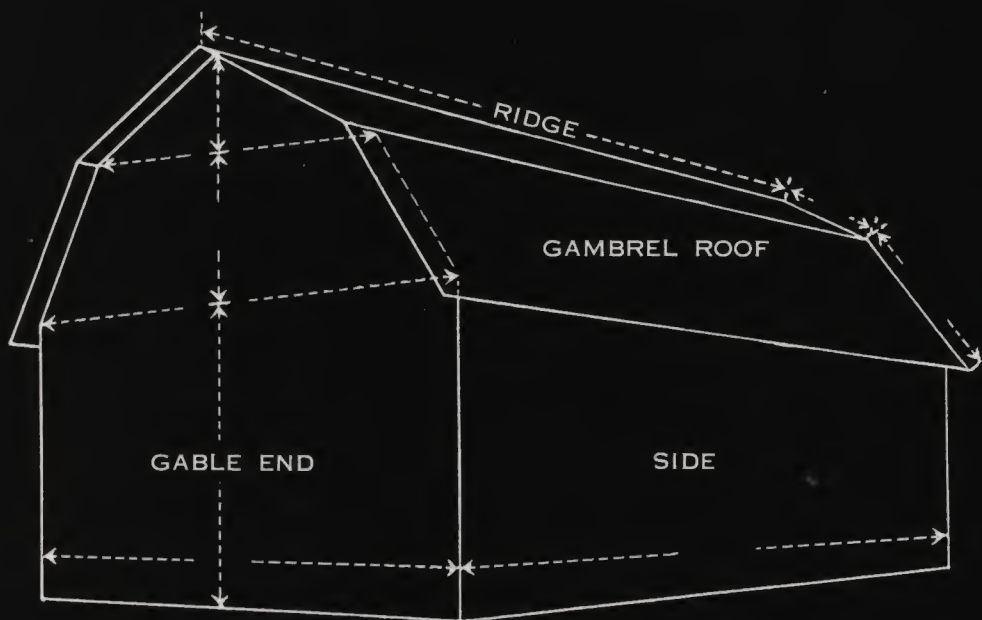
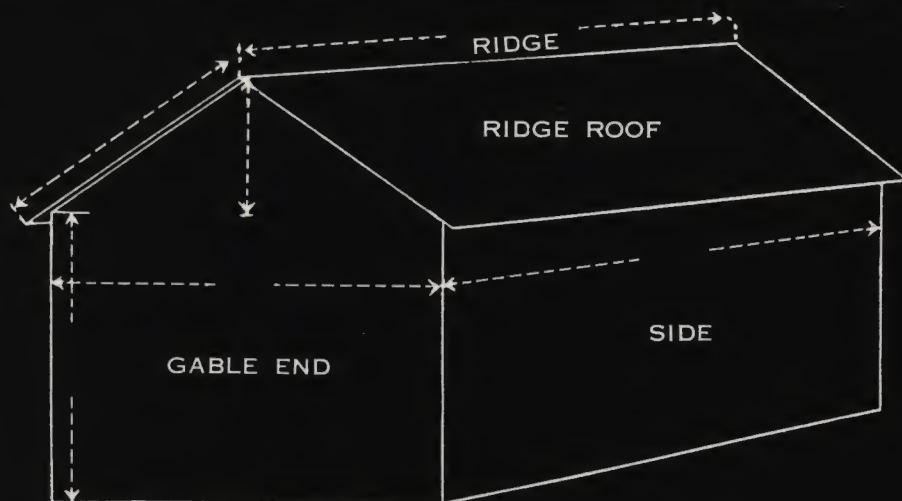


A Steel roof, properly grounded, would have prevented destruction of this fine dairy barn which was the result of fire started by lightning



# Wheeling Roofings

## MEASUREMENTS REQUIRED FOR ORDERING ROOFING AND SIDING

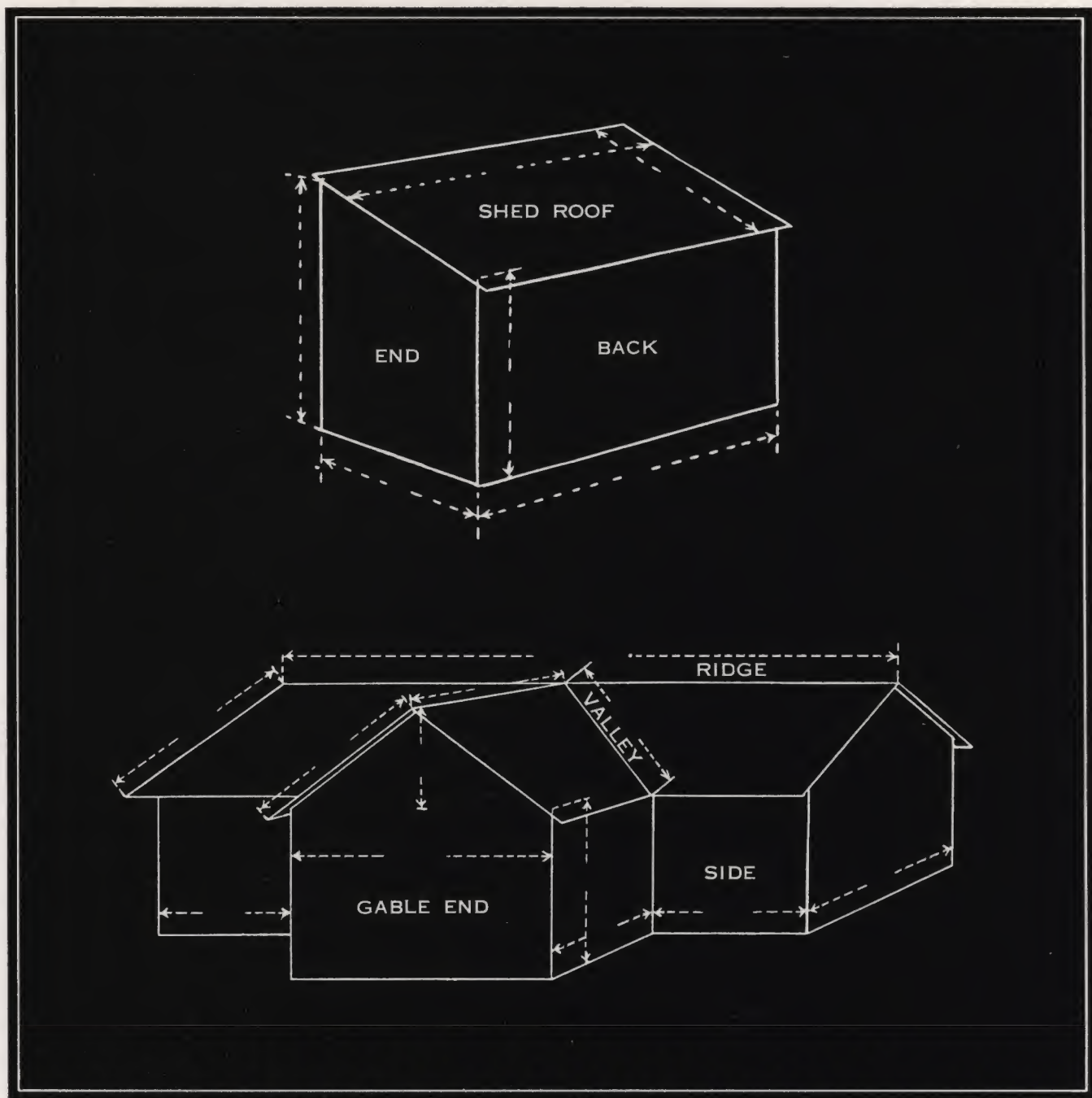


The diagrams on this page show the dimensions to be taken into consideration in determining requirements for roofing or siding on both ridge-roof and gambrel-roof buildings



# Wheeling Roofings

MEASUREMENTS REQUIRED FOR ORDERING  
ROOFING AND SIDING



The diagrams on this page show the dimensions to be taken into consideration in determining requirements for roofing or siding on both shed-roof and gable-roof buildings



# Wheeling Roofings

## SHEETS PER SQUARE OF FORMED ROOFINGS

(No allowance for End or Side Laps)

*To find the number of sheets in a given number of squares:*

Multiply the number of squares by the number set opposite the length of sheet desired in the column

for the material wanted. The result is the number of sheets required.

	2½- or 1¼-inch Corrugated 26 ins. wide	1¼-inch Corrugated 25¼ ins. wide	⅝-inch Corrugated 25 ins. wide	V-Crimp P.S.S., etc. 24 ins. wide
5 feet . . . . .	9.231	9.505	9.6	10.
6 feet . . . . .	7.692	7.921	8.	8.333
7 feet . . . . .	6.593	6.789	6.857	7.143
8 feet . . . . .	5.769	5.941	6.	6.25
9 feet . . . . .	5.128	5.381	5.333	5.556
10 feet . . . . .	4.615	4.752	4.8	5.
11 feet . . . . .	4.197	4.321	4.364	4.546
12 feet . . . . .	3.846	3.961	4.	4.167
Odd feet. . . . .	46.1538	47.5247	48.	50.
Odd inches. . . . .	553.846	570.2964	576.	600.

If for odd lengths, divide the number above by the length and multiply as before stated. If length is

inches, use the number for "odd inches." If in feet, use "odd feet."

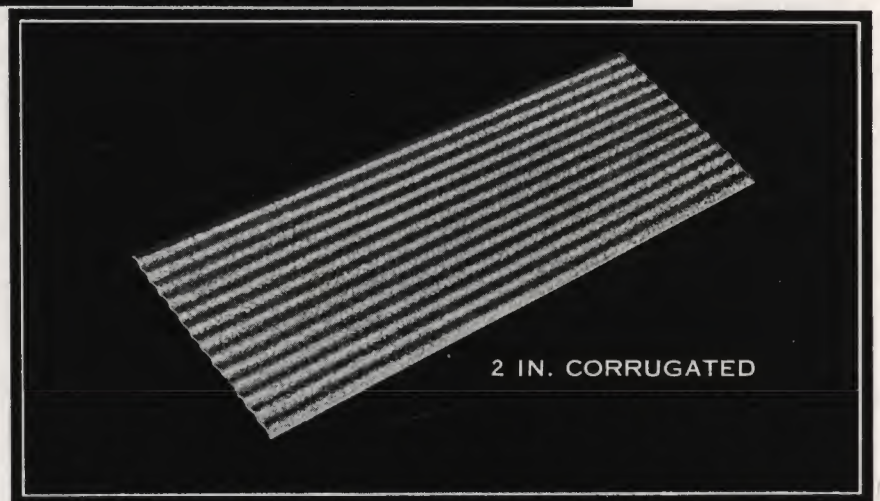
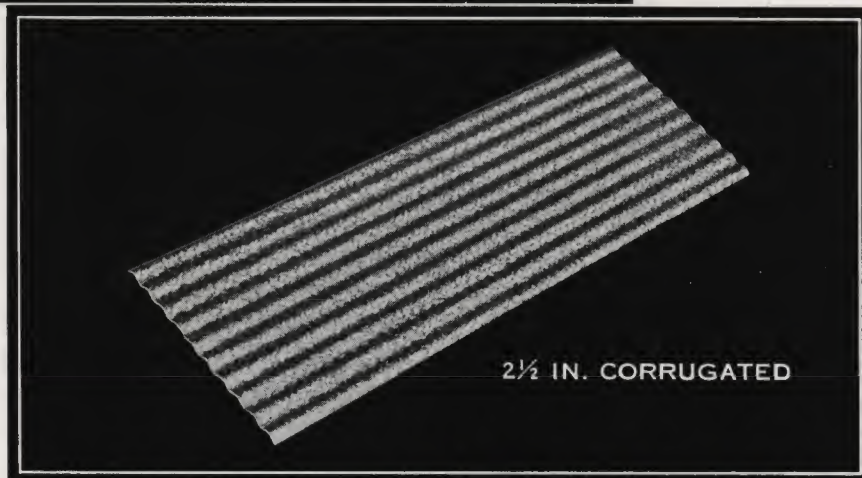
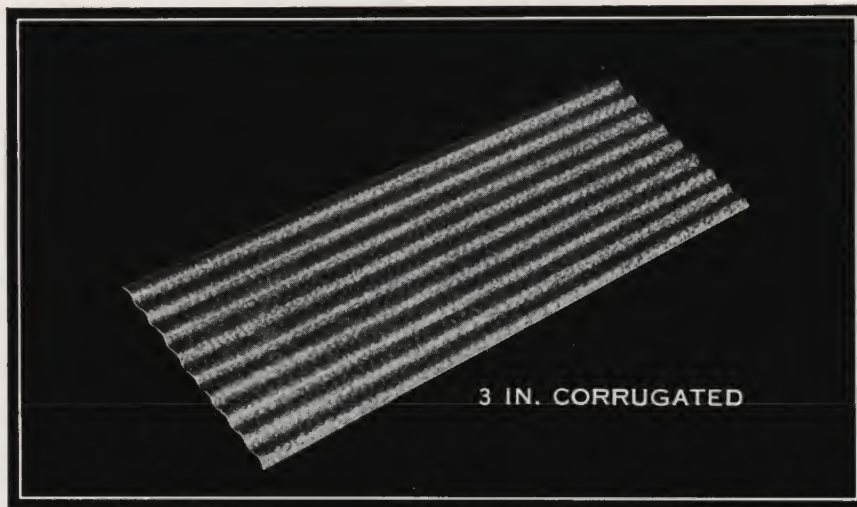
## SQUARE FEET PER SHEET OF FORMED ROOFINGS

	2½-, 1¼- or ⅝-inch Corrugated 26 ins. wide	1¼-inch Corrugated 25¼ ins. wide	⅝-inch Corrugated 25 ins. wide	V-Crimp P.S.S., etc. 24 ins. wide
	sq. ft.	sq. ft.	sq. ft.	sq. ft.
5 feet . . . . .	10.833	10.52	10.417	10.
6 feet . . . . .	13.	12.624	12.5	12.
7 feet . . . . .	15.167	14.728	14.583	14.
8 feet . . . . .	17.333	16.832	16.667	16.
9 feet . . . . .	19.5	18.937	18.75	18.
10 feet . . . . .	21.667	21.041	20.833	20.
11 feet . . . . .	23.833	23.145	22.916	22.
12 feet . . . . .	26.	25.248	25.	24.





## Wheeling Roofings





# Wheeling Roofings

## CORRUGATED SHEETS

**A** CORRUGATED sheet is the strongest form of steel roofing as the corrugations stiffen the sheet to the highest possible degree. Corrugated sheets are not affected by expansion and contraction but impart strength to the structure to which they are attached. When applied over light, inexpensive framing they make a low cost, substantial, fireproof roof which is lightning-proof when properly grounded. All sizes of corrugations are used extensively and, when the roof to be covered has a tight deck, personal taste largely determines

the choice. On the open slat or purlin deck or where applied to wood or steel framing the larger sizes in the heavier gauges are recommended because of their greater stiffness.

Wheeling Corrugated Sheets are made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY Corrugated Sheets is recommended.

### 3-INCH CORRUGATED ROOFING AND SIDING

<i>Gauges:</i> Pure Zinc Coated. . . . .	.16 to 29 gauges, inclusive
Painted Red. . . . .	.16 to 28 gauges, inclusive
<i>Width</i> after Corrugating both Corrugations down . . . . .	.26 inches
<i>Lengths</i> . . . . .	.5, 6, 7, 8, 9, 10, 11, and 12 feet

### 2½-INCH CORRUGATED ROOFING AND SIDING

<i>Gauges:</i> Pure Zinc Coated. . . . .	.12 to 29 gauges, inclusive
Painted Red. . . . .	.12 to 28 gauges, inclusive
<i>Width</i> after Corrugating both Corrugations down . . . . .	.26 inches
<i>Width</i> after Corrugating one Corrugation up and one down . . . . .	.27½ inches
<i>Lengths</i> . . . . .	.5, 6, 7, 8, 9, 10, 11, and 12 feet

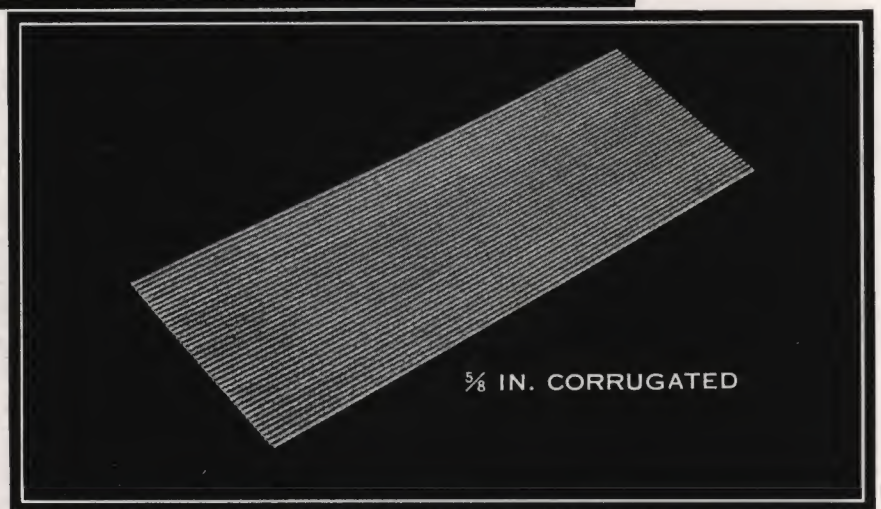
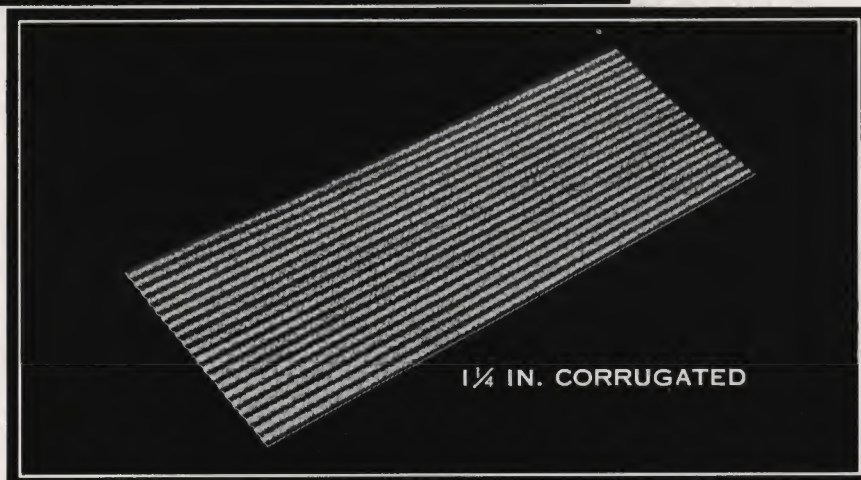
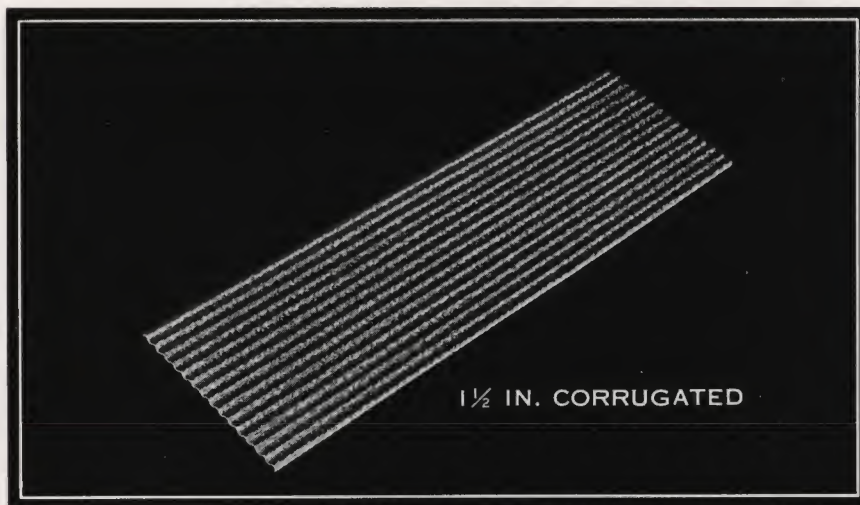
### 2-INCH CORRUGATED ROOFING AND SIDING

<i>Gauges:</i> Pure Zinc Coated. . . . .	.18 to 29 gauges, inclusive
Painted Red. . . . .	.18 to 28 gauges, inclusive
<i>Width</i> after Corrugating both Corrugations down . . . . .	.26 inches
<i>Width</i> after Corrugating one Corrugation up and one down . . . . .	.26½ inches
<i>Lengths</i> . . . . .	.5, 6, 7, 8, 9, 10, 11, and 12 feet

Surface area is computed on full width and length of sheets with no allowance for laps.



## Wheeling Roofings





## Wheeling Roofings

### 1½-INCH CORRUGATED SHEETS FOR STEEL DOORS AND SHUTTERS

<i>Gauges:</i> Pure Zinc Coated. . . . .	.24 to 29 gauges, inclusive
Painted Red. . . . .	.24 to 28 gauges, inclusive
<i>Widths</i> after Corrugating both Corrugations down . . . . .	.21 and 24 inches
<i>Width</i> after Corrugating one Corrugation up and one down . . . . .	.21¾ inches
<i>Lengths</i> . . . . .	.5, 6, 7, 8, 9, 10, 11, and 12 feet

### 1¼-INCH CORRUGATED ROOFING AND SIDING

<i>Gauges:</i> Pure Zinc Coated. . . . .	.18 to 29 gauges, inclusive
Painted Red. . . . .	.18 to 28 gauges, inclusive
<i>Width</i> after Corrugating both Corrugations down . . . . .	.25¼ inches
<i>Width</i> after Corrugating one Corrugation up and one down . . . . .	.26 inches
<i>Lengths</i> . . . . .	.5, 6, 7, 8, 9, 10, 11, and 12 feet

### 5/8-INCH CORRUGATED CEILING AND SIDING

<i>Gauges:</i> Pure Zinc Coated. . . . .	.20 to 29 gauges, inclusive
Painted Red. . . . .	.20 to 28 gauges, inclusive
<i>Width</i> after Corrugating one Corrugation up and one down . . . . .	.26 inches
<i>Lengths</i> . . . . .	.5, 6, 7, and 8 feet

Surface area is computed on full width and length of sheets  
with no allowance for laps



Partial view of Wheeling Roofing Factory and Warehouse at Martins Ferry, Ohio

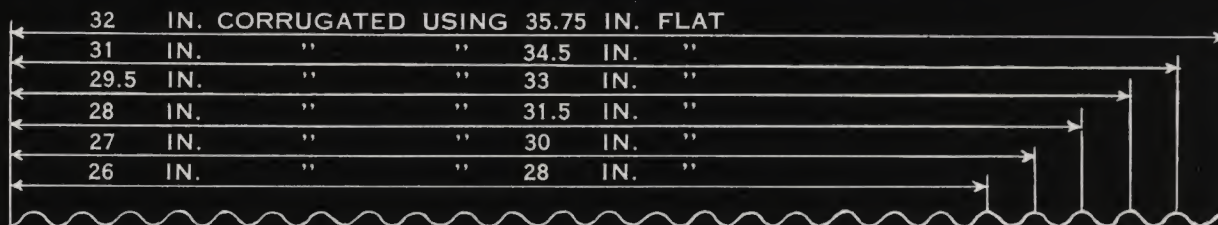




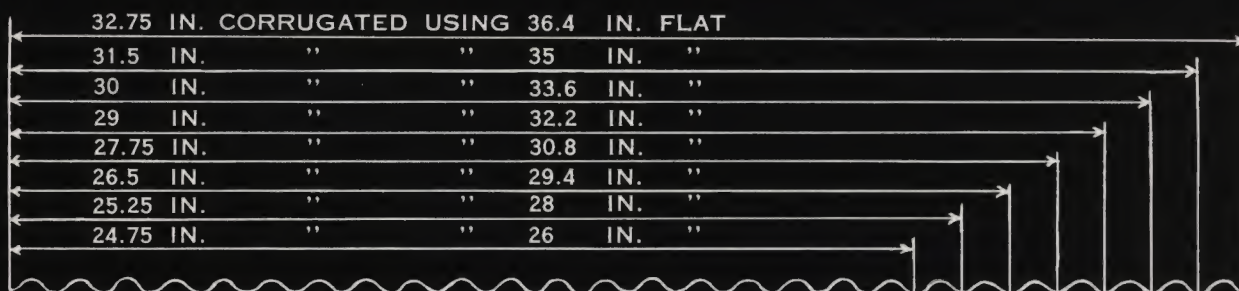
# Wheeling Roofings

## PROFILES OF CORRUGATED SHEETS

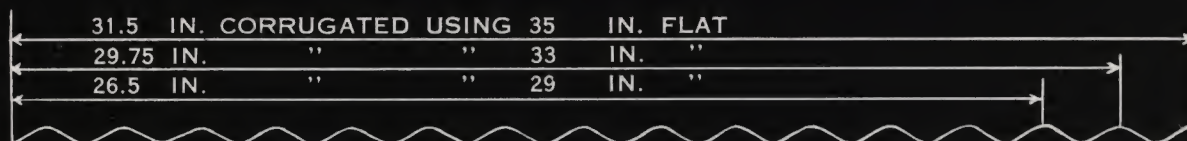
### 1 1/4 IN. CORRUGATED—ONE UP AND ONE DOWN



### 1 1/4 IN. CORRUGATED—BOTH DOWN



### 2 IN. CORRUGATED—ONE UP AND ONE DOWN

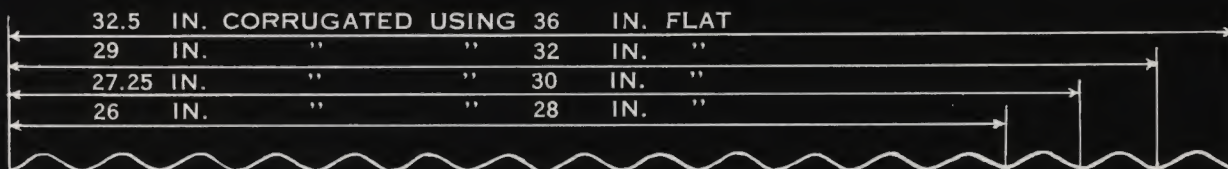




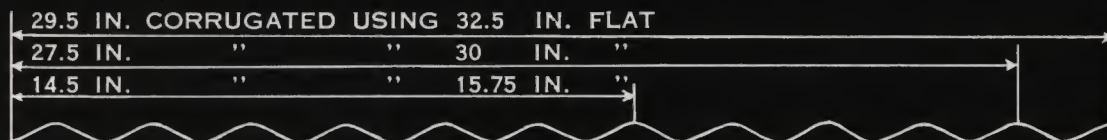
# Wheeling Roofings

## PROFILES OF CORRUGATED SHEETS

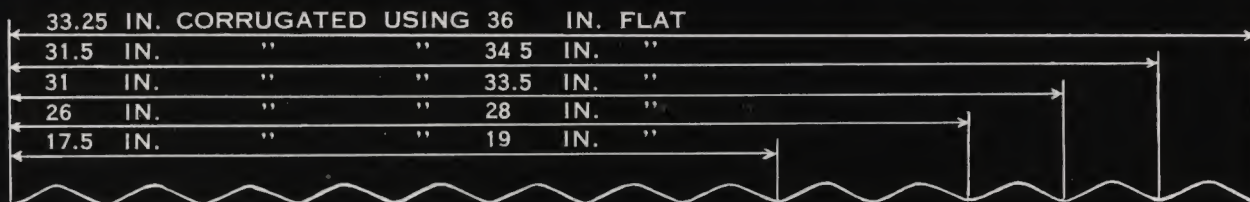
### 2 IN. CORRUGATED—BOTH DOWN



### 2½ IN. STANDARD—ONE UP AND ONE DOWN



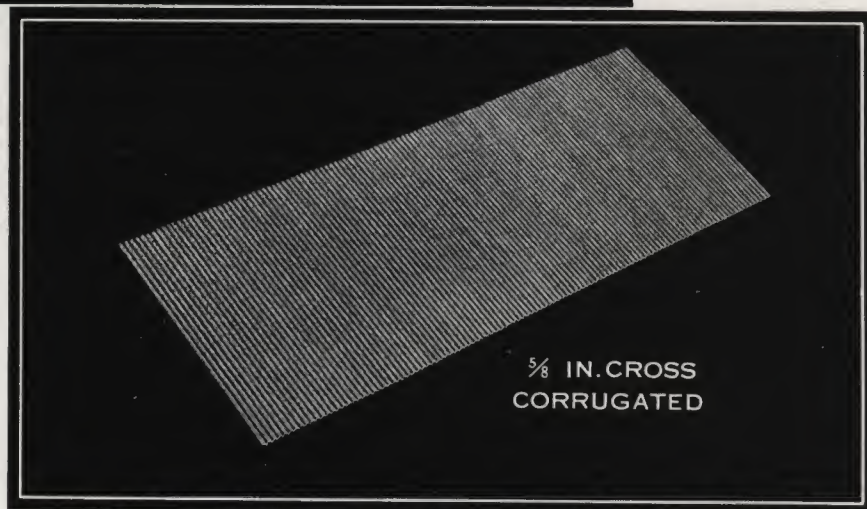
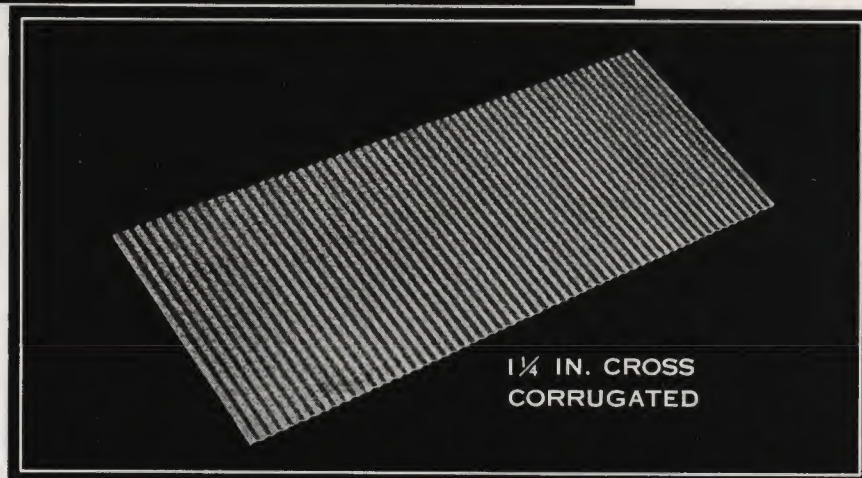
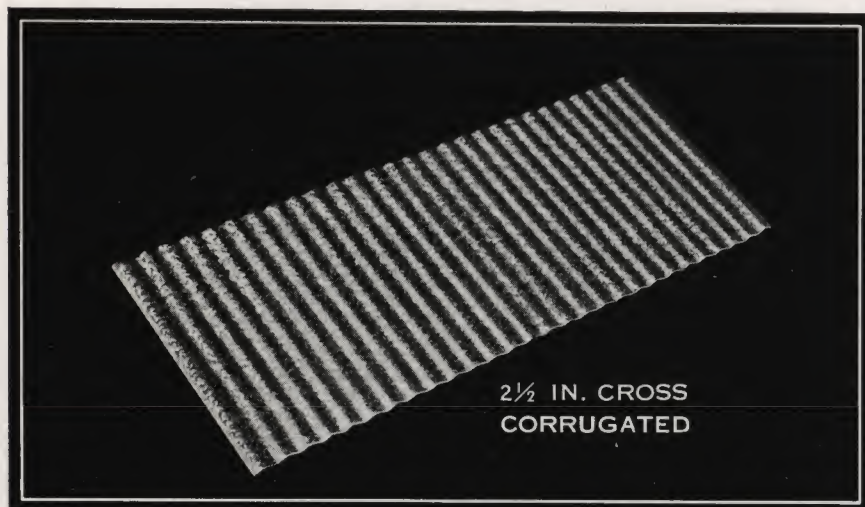
### 2½ IN. STANDARD—BOTH DOWN







## Wheeling Cross Corrugated Sheets





## Wheeling Cross Corrugated Sheets

**W**HEELING Cross Corrugated Sheets are recommended for siding for grain elevators, mills and high buildings particularly where there is liability of the structure settling. They are made from COP-R-LOY or Open

Hearth Steel, pure zinc coated (Galvanized), or Painted Red.

For extra long life and economical service, the use of pure zinc coated (Galvanized) COP-R-LOY Cross Corrugated Sheets is recommended.

### 2½-INCH CROSS CORRUGATED SHEETS

*Gauges*—Pure Zinc Coated. . . . .16 to 29 gauges, inclusive  
Painted Red. . . . .16 to 28 gauges, inclusive  
*Width*. . . . .Up to 36 inches  
*Lengths*—after cross corrugating. .45, 50, 56, 66, 77, 88, 100, 110, 121 and 132 inches

### 1¼-INCH CROSS CORRUGATED SHEETS

*Gauges*—Pure Zinc Coated. . . . .18 to 29 gauges, inclusive  
Painted Red. . . . .18 to 28 gauges, inclusive  
*Width*. . . . .Up to 36 inches  
*Lengths*—after cross corrugating. .44, 49, 55, 65, 76, 87, 97, 104 and 130 inches

### 5/8-INCH CROSS CORRUGATED SHEETS

*Gauges*—Pure Zinc Coated. . . . .20 to 29 gauges, inclusive  
Painted Red. . . . .20 to 28 gauges, inclusive  
*Width*. . . . .Up to 36 inches  
*Lengths*—after cross corrugating. .44, 49, 55, 65, 76, 87, 99, 109 and 130 inches

## ELEVATOR SHEETS

**W**HEELING Elevator Sheets are laid with a two-inch end lap, and are nailed two inches above the upper edges of lower sheets, thus allowing the sheets a play of two inches in every 32 inches if the sides of the elevator settle. By applying in this manner, sheets will not buckle nor will the nails be drawn by settling of the building.

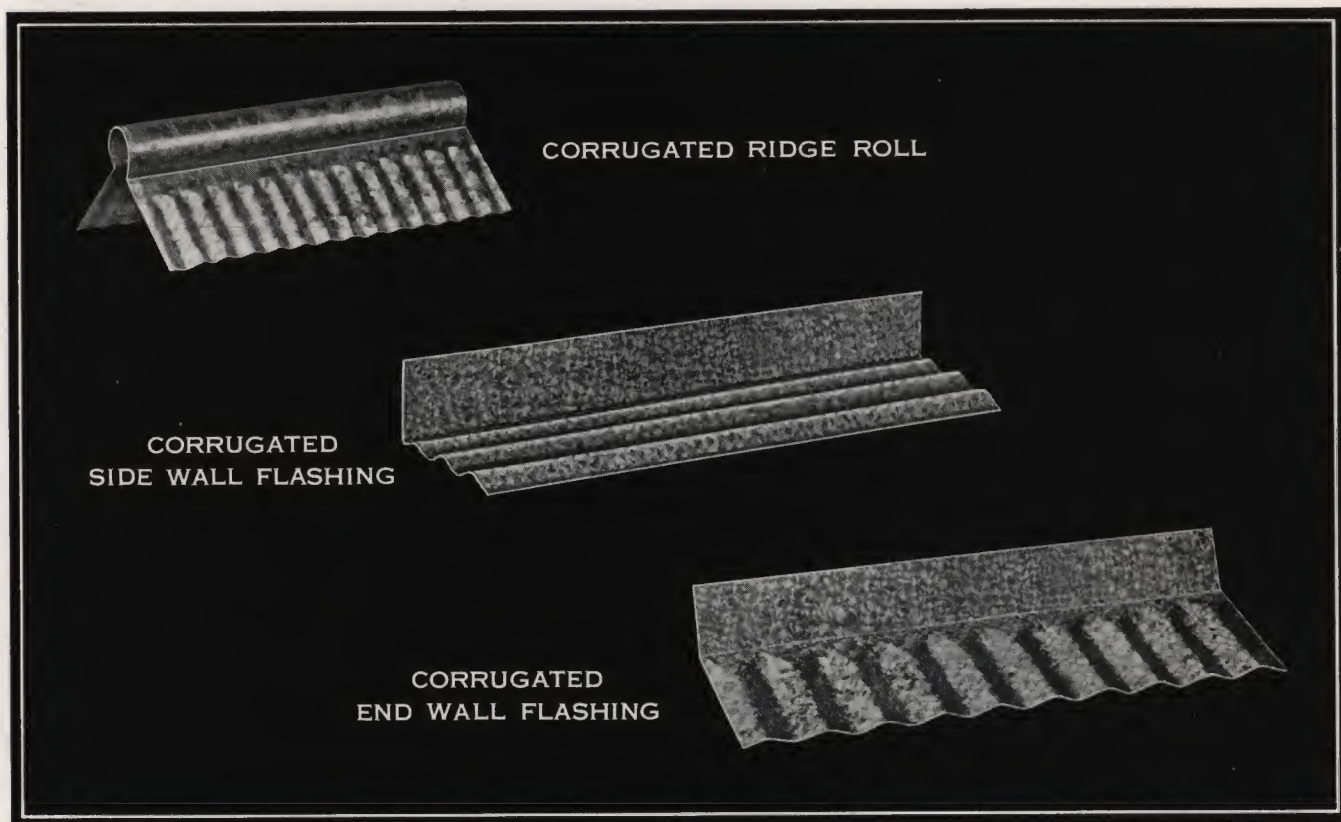
*Gauges*—Pure Zinc Coated—1¼-inch Corrugations—  
18 to 29 gauges, inclusive  
2½-inch Corrugations—  
16 to 29 gauges, inclusive  
Painted Red—1¼-inch Corrugations—  
18 to 28 gauges, inclusive  
2½-inch Corrugations—  
16 to 28 gauges, inclusive  
*Width*—after corrugating—26 inches  
*Length*—32 inches

Surface area is figured on full width and length of sheets with no allowance for laps





# Wheeling Corrugated Roofing Fittings



CORRUGATED RIDGE ROLL

CORRUGATED  
SIDE WALL FLASHING

CORRUGATED  
END WALL FLASHING

Made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red. For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY is recommended

## CORRUGATED RIDGE ROLL

Gauges: Pure Zinc Coated—18, 20, 22, 24, 26, 28 and 29  
Painted Red —18, 20, 22, 24, 26 and 28

Girths. . . . . 10 in. 12 in. 14 in. 14 in. 21 in.  
Size of Roll . . . . . 2½ in. 2½ in. 2½ in. 3 in. 2½ in.  
Width of Apron . . . 3¼ in. 4¼ in. 5¼ in. 4½ in. 8 in.  
Lengths: 96 in. or 120 in. for 10, 12 and 14 in. girths.  
28 in. for 21 in. girth.  
Corrugations: 2½ in., 2 in. or 1¼ in.

## CORRUGATED SIDE WALL FLASHING

Gauges: Pure Zinc Coated—20, 22, 24, 26, 28 and 29  
Painted Red —20, 22, 24, 26 and 28

Girth: 12 in.  
Length: 120 in.  
Plain Return: 4 in.  
Corrugated Face: 7½ in.  
Corrugations: 2½ in., 2 in. or 1¼ in.

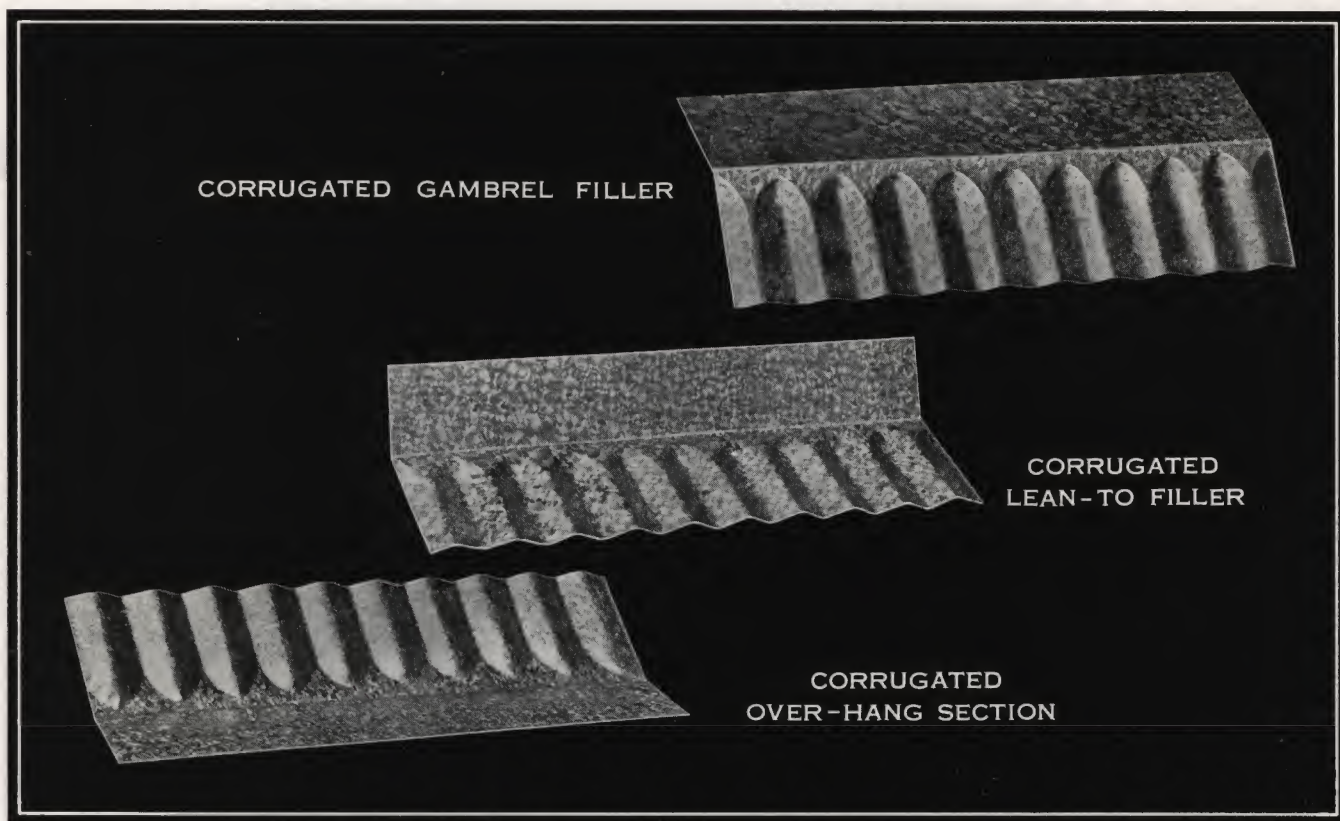
## CORRUGATED END WALL FLASHING

Gauges: Pure Zinc Coated—20, 22, 24, 26, 28 and 29  
Painted Red —20, 22, 24, 26 and 28

Girth: 10 in.  
Lengths: 1¼ in. Corrugated 26 in. long with corrugations one up and one down  
2½ in. Corrugated 26 in. long with corrugations both down  
2½ in. Corrugated 27½ in. long with corrugations one up and one down  
Plain Return: 4 in.  
Corrugated Face: 6 in.  
Corrugations: 2½ in. or 1¼ in.



## Wheeling Corrugated Roofing Fittings



Made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red. For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY is recommended

### CORRUGATED GAMBREL FILLER

Gauges: Pure Zinc Coated—20, 22, 24, 26, 28 and 29  
Painted Red —20, 22, 24, 26 and 28

Girth: 12 in.

Lengths:  $1\frac{1}{4}$  in. Corrugated 26 in. long with corrugations one up and one down

$2\frac{1}{2}$  in. Corrugated 26 in. long with corrugations both down

$2\frac{1}{2}$  in. Corrugated  $27\frac{1}{2}$  in. long with corrugations one up and one down

Plain Return: 6 in.

Corrugated Face: 6 in.

Corrugations:  $2\frac{1}{2}$  in. or  $1\frac{1}{4}$  in.

Note: When using this fitting the upper corrugated sheets should extend about 1 inch below the break line.

### CORRUGATED OVERHANG SECTION

Gauges: Pure Zinc Coated—20, 22, 24, 26, 28 and 29  
Painted Red —20, 22, 24, 26 and 28

Girth: 10 in.

Lengths:  $1\frac{1}{4}$  in. Corrugated 26 in. long with corrugations one up and one down

$2\frac{1}{2}$  in. Corrugated 26 in. long with corrugations both down

$2\frac{1}{2}$  in. Corrugated  $27\frac{1}{2}$  in. long with corrugations one up and one down

Plain Return: 4 in.

Corrugated Face: 6 in.

Corrugations:  $2\frac{1}{2}$  in. or  $1\frac{1}{4}$  in.

### CORRUGATED LEAN-TO FILLER

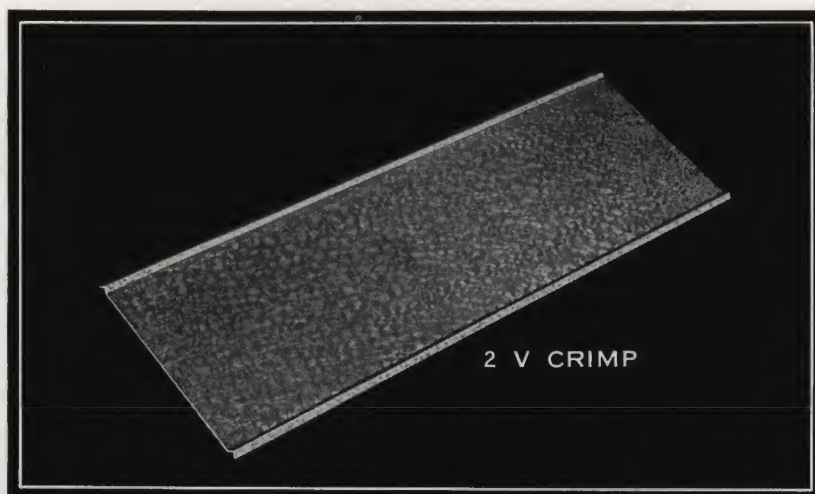
Same as Corrugated Gambrel Filler with the exception of the direction of the break.

Note: The actual covering length of End Wall Flashing, Gambrel Filler, Lean-to Filler and Overhang Section is 24 inches. No allowance should be made for area covered because the corrugated sheets lap either over or under these fittings.

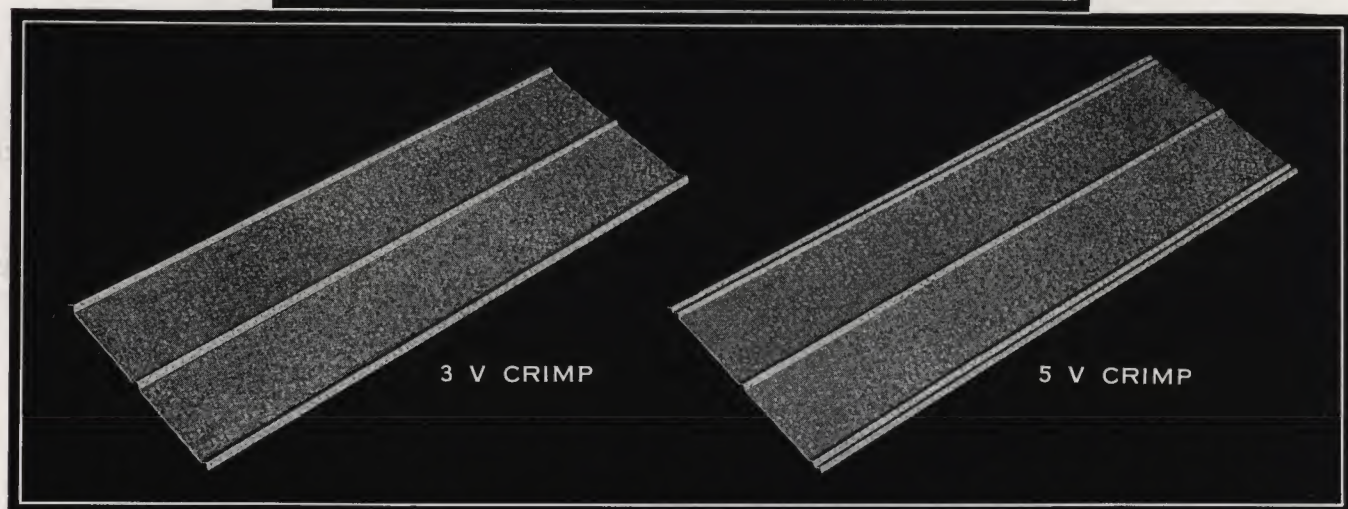




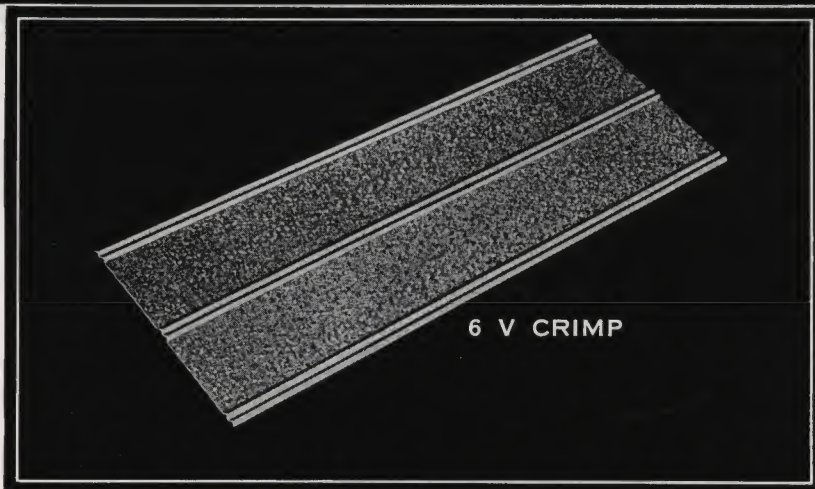
## Wheeling Roofings



This type of roofing may be applied directly to framing over sheathing or over old shingle roofs



The crimp down the middle stiffens the sheet, preventing rattling in a strong wind and also improves the appearance of the roof. V-Crimp is a very popular type of roofing in every section



The second crimp on the edge of the sheet acts as a water guard, preventing the passage of water or wind-driven rain. The center crimp acts as a reinforcement and adds to the attractiveness of the roof

A very strong and rigid type of roofing. The double crimps on the lapping edges of the sheets offer further security against rain or snow being blown under the joints. The two crimps in the center provide additional rigidity and give an added attractiveness to the roof



# Wheeling Roofings

## V-CRIMP ROOFING

**V**-CRIMP is a very popular style of roofing for application over old shingle roofs or direct to framing over sheathing. It should be used on roofs having a pitch of not less than  $2\frac{1}{2}$  inches to the foot. V-Crimp is made from flat sheets by forming a side lapping edge in the shape of an inverted "V". There are several different types of Wheeling V-Crimp Roofing that are designated by the number of crimps formed in each sheet.

Wheeling V-Crimp Roofing is made from COP-R-LOY or Open Hearth Steel, all styles of which are furnished pure zinc coated (Galvanized) or Painted Red.



V-Crimped Roofing applied over sheathing

For extra long life and most economical service the use of pure zinc coated (Galvanized) COP-R-LOY is recommended.

*Gauges*—Pure Zinc Coated—20, 22, 24, 26, 28 and 29  
Painted Red— 20, 22, 24, 26 and 28

*Width*—Covering width on all styles is 24 inches

*Lengths*: 5, 6, 7, 8, 9, 10, 11 and 12 feet



V-Crimped Roofing may be applied directly over old shingle roofs

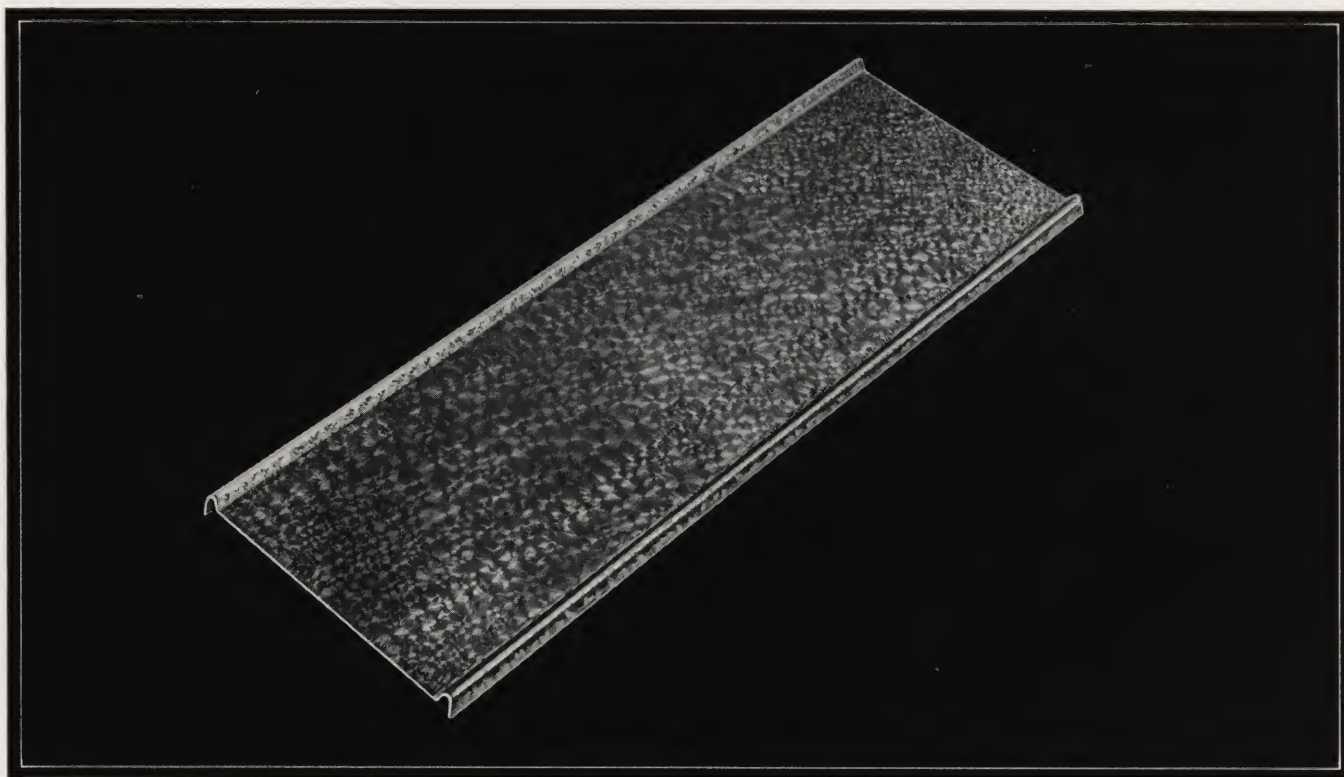
V-Sticks are furnished when ordered and at low cost for use in applying V-Crimp Roofing. Fifty lineal feet of V-Sticks are sufficient for one square when used under outside crimps only. If center stick is used, 100 lineal feet of V-Sticks per square will be required.

In figuring squares, no allowance is made for end laps.





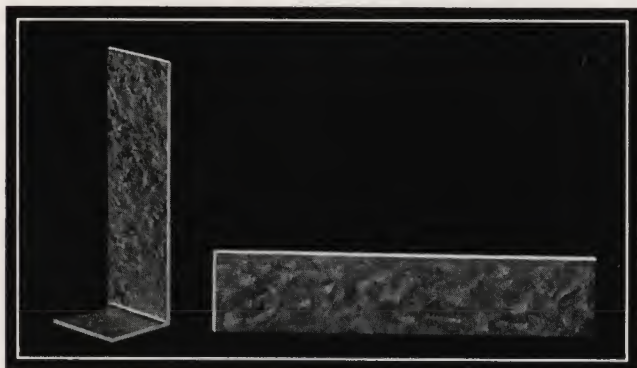
## Wheeling Roofings



### PRESSED STANDING SEAM ROOFING

**T**HIS style of roofing is recommended for use on roofs of slight pitch. The high seam helps to prevent seepage. It is easily applied and can be used on framing over sheathing or over old shingle roofs. One pound of side cleats and one-fifth pound of end cleats are required for laying one square (100 sq. ft.).

Wheeling Pressed Standing Seam Roofing is



made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY Pressed Standing Seam Roofing is recommended.

*Gauges*—Pure Zinc Coated—24, 26, 28 and 29  
Painted Red —24, 26 and 28

*Width*—Covering width 24 inches

*Lengths*: 5, 6, 7, 8, 9, 10, 11 and 12 feet

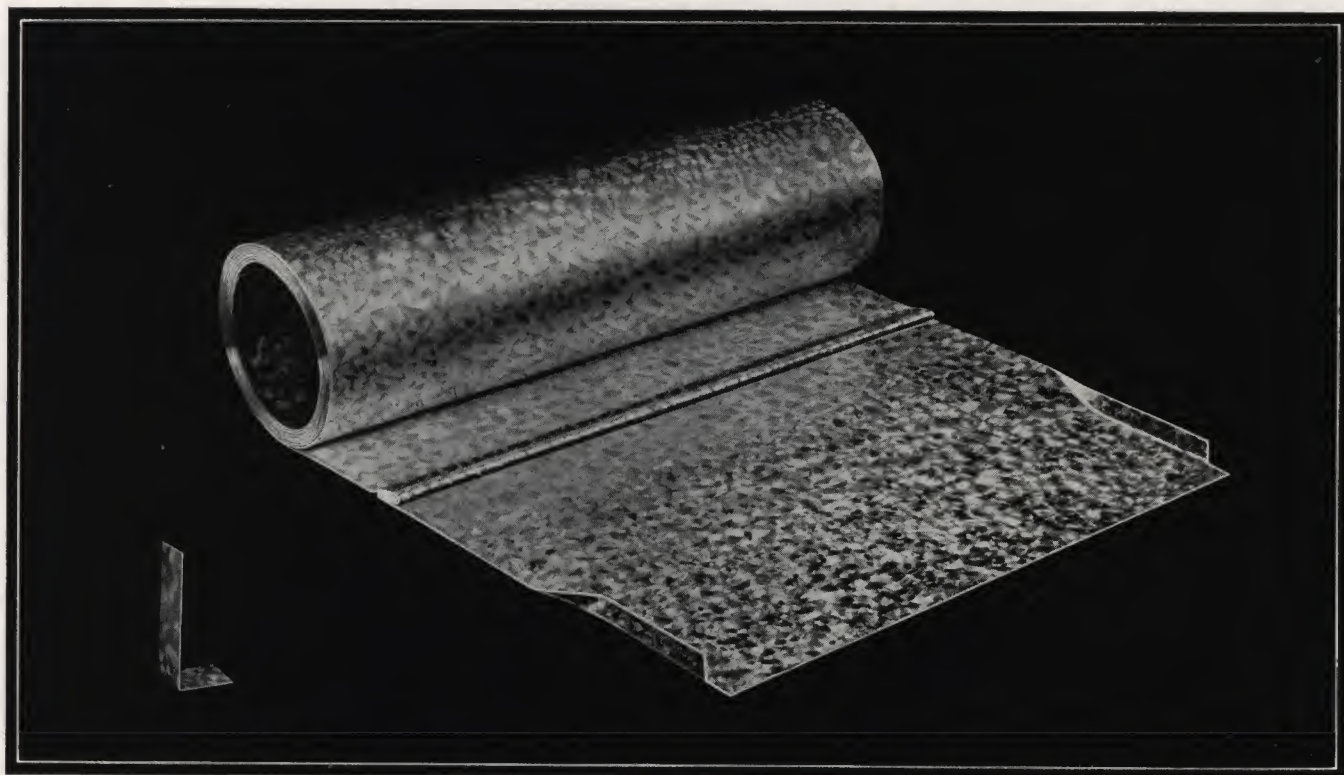
In figuring squares, no allowance is made for end laps.

The short end of the side cleat is nailed close to the outer edge of the standing seam, using two 1-inch galvanized barbed roofing nails. The long end of the cleat is bent over the standing seam to make a snug fit. After the next sheet is applied over the cleat the exposed end is bent back over the top and clinched with seaming tongs. Cleats are placed 12 to 14 inches apart. End cleats are bent to hook under end lock and then nailed to roof beyond the edge of the sheet. Use two end cleats to each sheet.





## Wheeling Roofings



### SELF-CAPPING ROLL ROOFING

**R**OLL ROOFING can be used on roofs of very slight pitch and should be applied only over solid sheathing. It is recommended that a good quality of roofing paper be used under the metal to prevent sweating and dripping from condensation in cold weather if gas or steam is used in the building, or where there is heat next to the roof. Many dealers, particularly those who understand the laying of standing seam roofing, find a ready sale and an ever-increasing market for this type of roofing. It presents a clean and attractive appearance for residences and buildings where other styles of roofing may not always be desirable.

Wheeling Self-Capping Roll Roofing is made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY Self-Capping Roll Roofing is recommended.

*Gauges*—Pure Zinc Coated—26, 28 and 29  
Painted Red—26 and 28

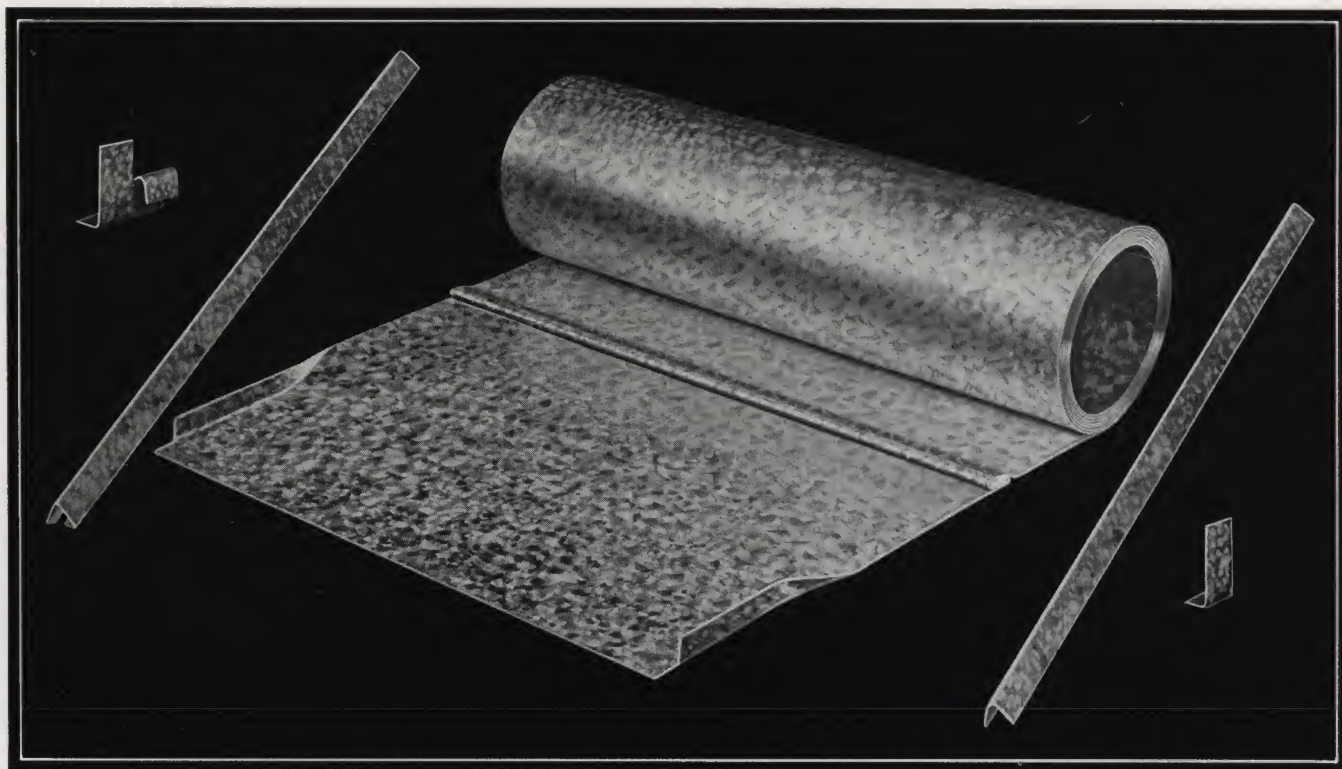
*Sizes*—Roll 26½ inches wide, 50 feet long, will cover one square applied with a 1-inch standing seam. Can also furnish 26-inch wide rolls 50 feet long, which cover one square when applied with ¾-inch standing seam.

Cross seams are double locked and notched and the last edge is turned and protected with a heavy wood strip to prevent damage to the lock in shipping.

Regularly applied with cleats, the application requiring one pound per square.



## Wheeling Roofings



### ROLL AND CAP ROOFING

**M**ADE from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY Roll and Cap Roofing is recommended.

*Gauges*—Pure Zinc Coated—26, 28 and 29  
Painted Red— 26 and 28

*Sizes*—Rolls are 26 inches wide and 50 feet long and cover one square when applied with a  $\frac{3}{4}$ -inch standing seam.

Cross seams are double locked and notched

and the last edge is turned and protected with a heavy wood strip to prevent damage to the lock in transit.

Rolls are made to be applied with either outside or protected cleats. For outside cleat application one pound of solid cleats and 25 separate caps, each 26 inches long, are regularly supplied with each square. Caps for this roofing up to 8 feet in length can be supplied without extra charge. For protected cleat application there are supplied with each square one pound of split cleats and 25 caps, each 26 inches long.

All Wheeling Roll Roofings are made from special soft sheets for easy workability in applying; all sheets are resquared before coating to provide straight edges.





## Wheeling Roofing Fittings

### ZINC COATED (GALVANIZED) ROLL VALLEY

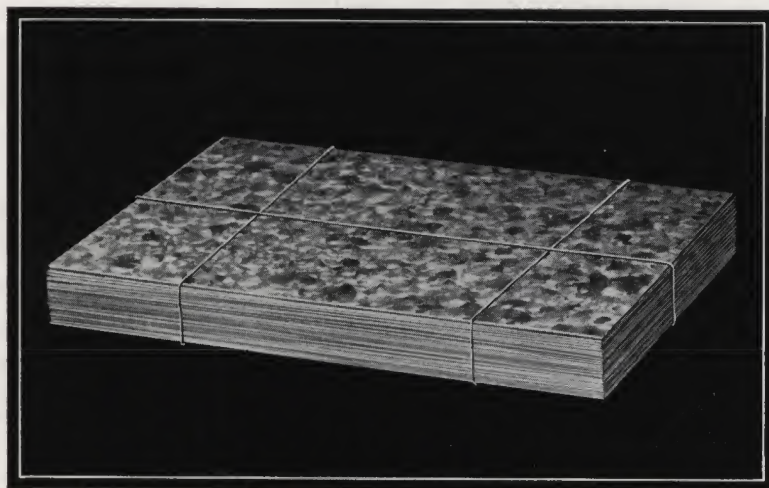
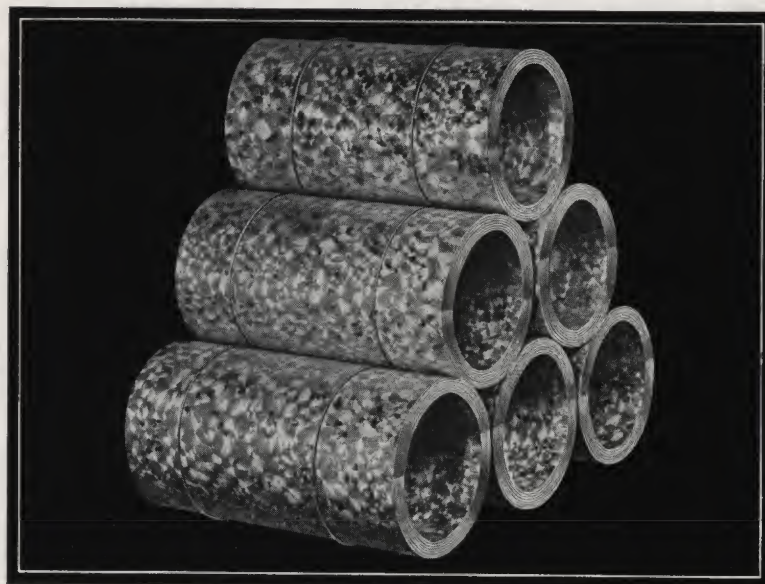
**R**OLL Valley is made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized).

Standard rolls are 50 feet long with seams single locked, not soldered. Furnished also with double locked seams, not soldered, or with single or double locked seams soldered one or both sides.

*Gauges*—24, 26, 28 and 29

*Widths*—12, 14, 16, 18, 20, 24, 26, 28, 30  
and 36 inches

Furnished in 100-foot or any length rolls on special order.



### ZINC COATED (GALVANIZED) FLASHINGS

These are made of COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized).

Suitable for use with all types of roofing. Wired in packages of 100 pieces each.

*Sizes*—4 x 5, 5 x 7, and 7 x 10 inches





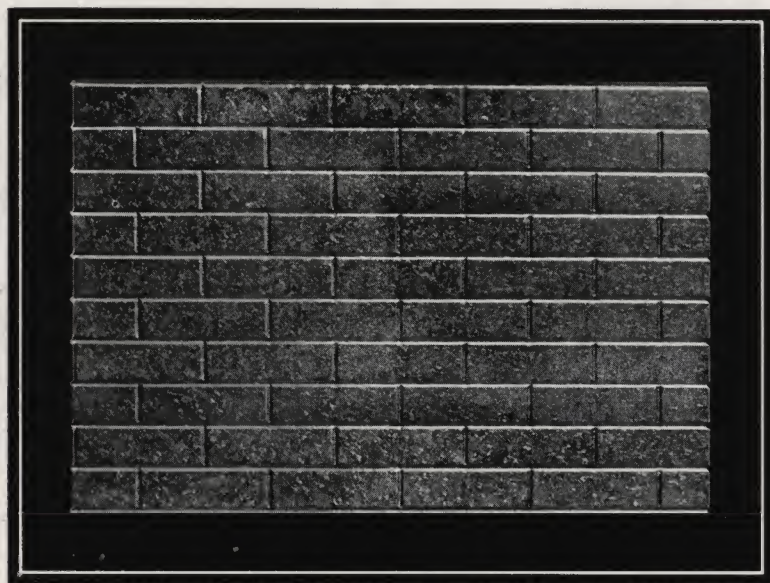
## Wheeling Sidings

**W**HEELING Ornamental Sidings are used where economy and ease of construction are important factors. Resembling natural brick and stone they make a neat and attractive appearance on the building.

They are made from COP-R-LOY or Open

Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For extra long life and economical service, the use of pure zinc coated (Galvanized) COP-R-LOY Sidings is recommended.



### PRESSED BRICK SIDING

*Gauges*—Pure Zinc Coated—24, 26, 28 and 29  
Painted Red. . . 24, 26 and 28

*Width* . . . . . 28 inches

*Length* . . . . . 60 inches

*Size of brick*. . . . .  $2\frac{5}{8} \times 8\frac{1}{2}$  in.

*No. of sheets per square*. . . 8.6

*No. of sheets required to  
cover a square*. . . . . 9

### ROCK FACE BRICK SIDING

*Gauges*—Pure Zinc Coated—24, 26, 28 and 29  
Painted Red. . . 24, 26 and 28

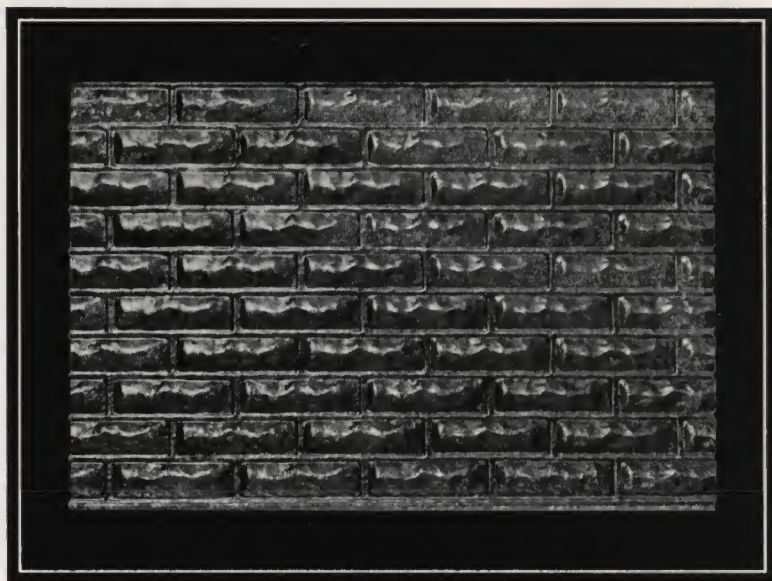
*Width* . . . . . 28 inches

*Length* . . . . . 60 inches

*Size of brick*. . . . .  $2\frac{5}{8} \times 8\frac{1}{2}$  in.

*No. of sheets per square*. . . 8.6

*No. of sheets required to  
cover a square*. . . . . 9.5



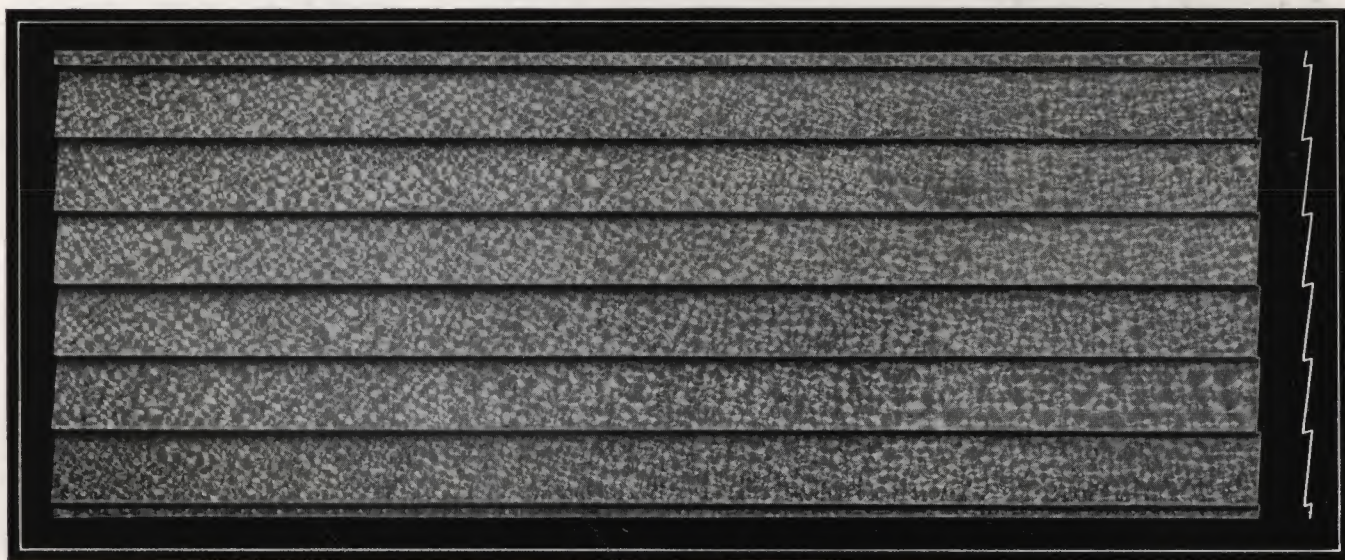




## Wheeling Sidings

### ROCK FACE STONE SIDING

*Gauges*—Pure Zinc Coated—24, 26, 28 and 29  
Painted Red. . . . . 24, 26 and 28  
*Width* . . . . . 28 inches  
*Length* . . . . . 60 inches  
*Size of stones* . . . . . 7 x 12 inches  
*No. of sheets* per square. . . 8.6  
*No. of sheets* required to  
cover a square. . . . . 9.5



### WEATHERBOARD SIDING

**A**N ESPECIALLY attractive and desirable siding for various types of inexpensive buildings and especially where fire hazard is a consideration. Wheeling Weatherboard Siding, made of COP-R-LOY or Open Hearth Steel, has the special under-cut profile exactly as found on all weatherboard siding made of wood. (See illustration above at right.) It is economical in cost of both ma-

terial and application, being applied direct to framing or over rough sheathing.

Furnished without return flange at bottom of sheet on special order.

*Gauges*—Pure Zinc Coated—24, 26, 28 and 29  
Painted Red. . . . . 24, 26 and 28  
*Width* . . . . . 24 inches  
*Lengths* . . . . . 5, 6, 7, 8; 9, 10, 11 and 12  
feet



## Wheeling Sidings

### CORNER FINISH AND PILASTER

**W**HEELING Corner Finish and Pilaster are made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY Corner Finish and Pilaster is recommended for all installations of Wheeling Rock Faced Stone Siding.



Stone Corner Finish

#### STONE CORNER FINISH

*Gauges*—Pure Zinc Coated—24, 26, 28  
and 29

Painted Red 24, 26 and 28

*Girth*. . . . . 24 inches

*Length*. . . . . 54 inches

*Size of stones*  $5\frac{3}{4}$  x 7 and 7 x 12 inches

#### STONE PILASTER

*Gauges*—Pure Zinc Coated—24, 26, 28  
and 29

Painted Red 24, 26 and 28

*Girth*. . . . . 22 inches

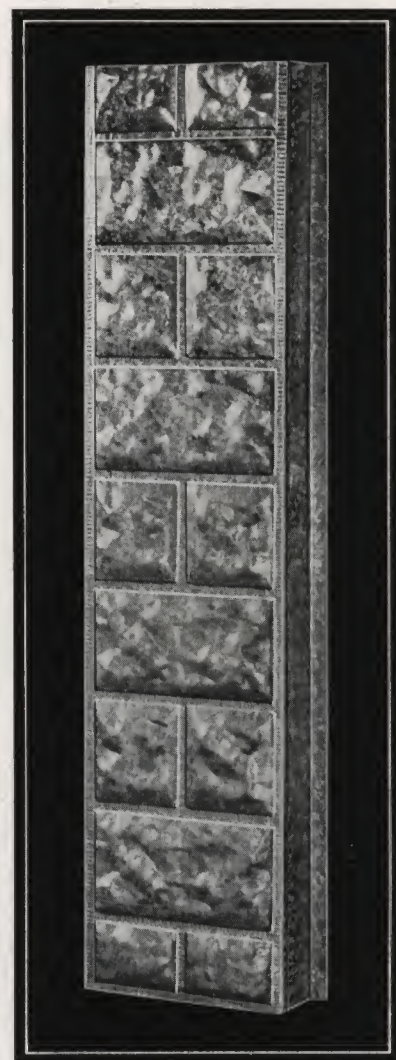
*Length*. . . . . 54 inches

*Face*. . . . . 12 inches

*Return*. . . . . 4 inches

*Flange*. . . . . 1 inch

*Size of stones*  $5\frac{3}{4}$  x 7 and 7 x 12 inches



Stone Pilaster

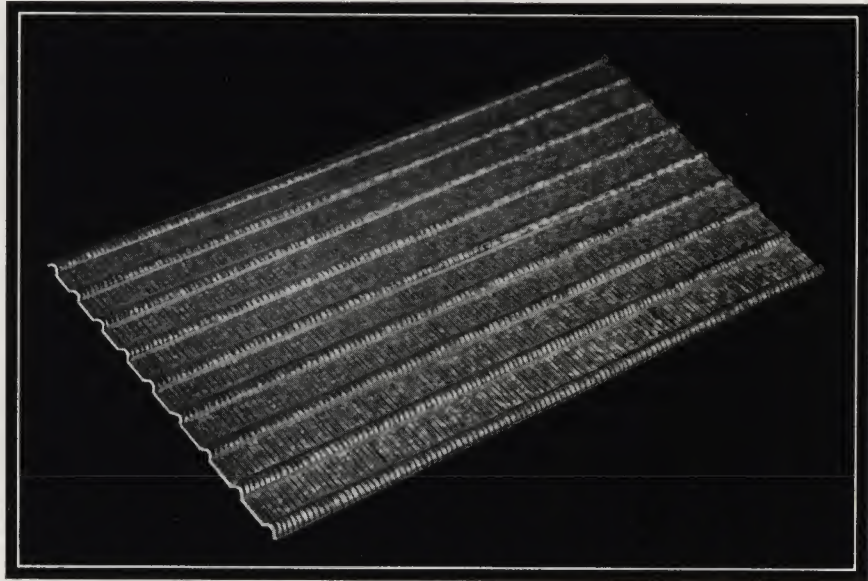




## Wheeling Sidings

### BEADED SIDING OR CEILING

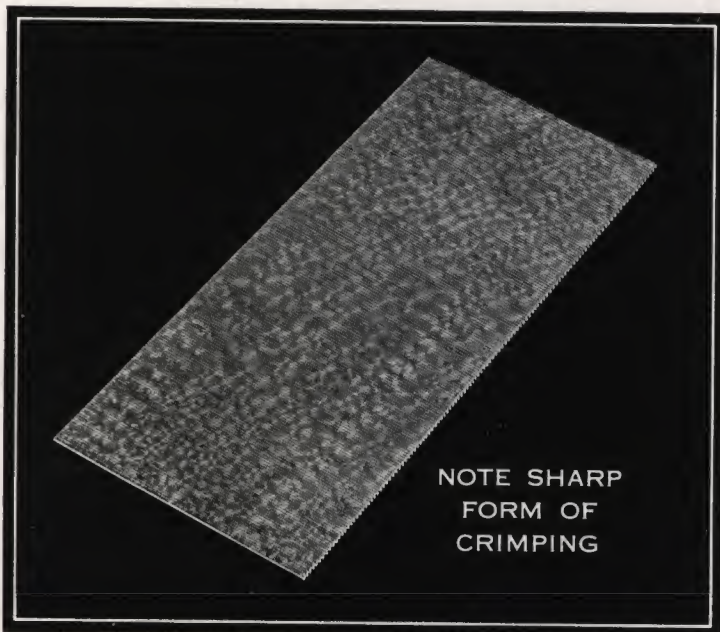
**P**RACTICAL for both siding and ceiling, these sheets can be furnished either plain or with  $\frac{3}{16}$ -inch cross crimp. The cross crimping prevents buckles, adds more stiffness to the sheets and gives them a very pleasing appearance. These sheets may be applied over sheathing, direct to framing or on furring strips if used for ceiling. They are made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.



For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY Beaded Ceiling or Siding is recommended

<i>Gauges</i> —Pure Zinc Coated. . . . .	24, 26, 28 and 29 gauges
Painted Red. . . . .	24, 26 and 28 gauges
<i>Width</i> . . . . .	24 inches
<i>Lengths</i> . . . . .	5, 6, 7, 8, 9 and 10 feet

### 3/16-INCH CROSS CRIMPED SHEETS



### FOR CORNICES AND SHEET METAL WORK

Made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

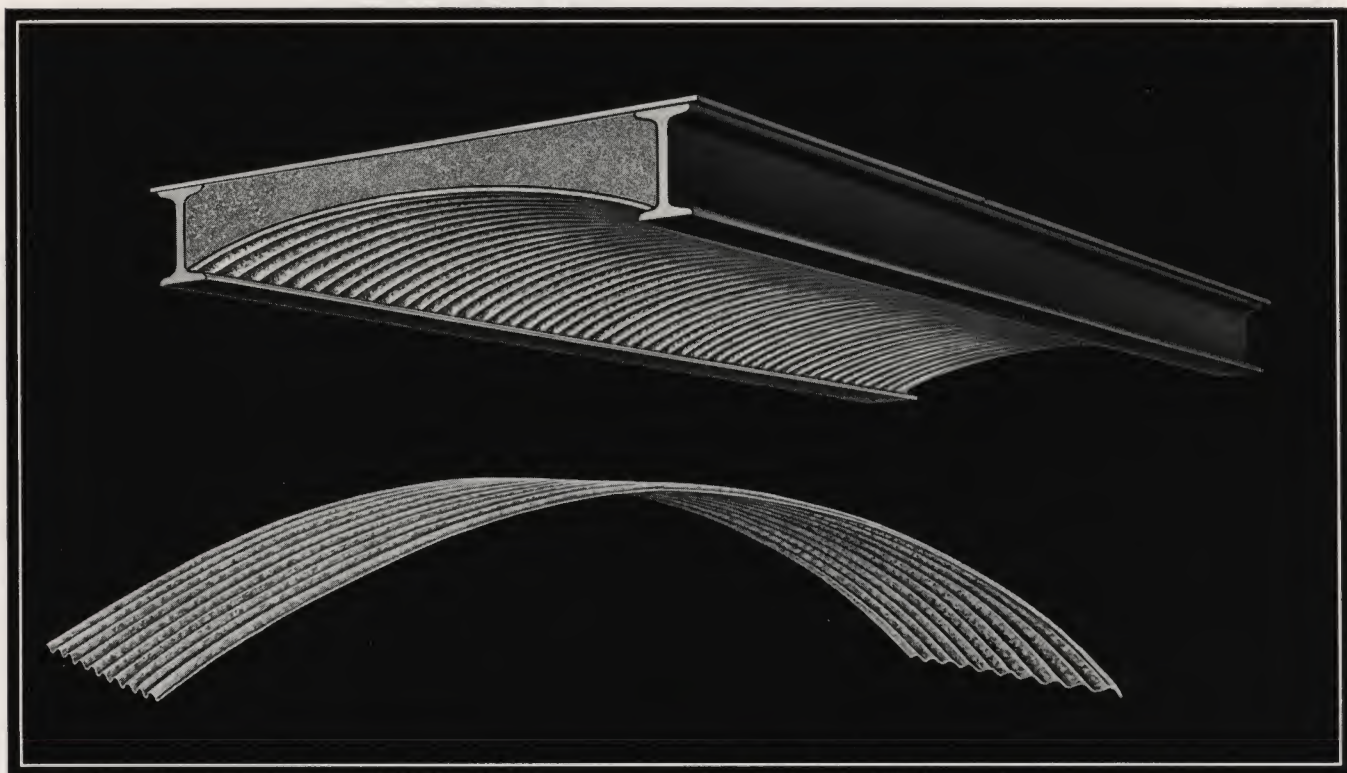
The crimps stiffen the sheets and provide excess metal for forming over irregular surfaces without stretching or tearing of the metal. Particularly suitable for use in making cornices and ornamental sheet metal work.

<i>Gauges</i> —Pure Zinc Coated—	24, 26, 28 and 29 gauges
Painted Red . . . . .	24, 26 and 28 gauges
<i>Width</i> . . . . .	Up to 36 inches
<i>Lengths</i> . . . . .	5, 6, 7, 8, 9, 10, 11 and 12 feet





## Wheeling Curved Corrugated Sheets



**W**HEELING Curved Corrugated Sheets are made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For extra long life and economical service the use of pure zinc coated (Galvanized) COP-R-LOY Curved Corrugated Sheets, Awning Sheets and Arches is recommended.

### CURVED CORRUGATED SHEETS USED WITH I-BEAMS

#### 1¼ or 2½-Inch Corrugations

**T**HESE sheets can be used for concrete construction work, ceilings, tanks, cisterns, vaults, cellars, roofing, bridges, underground

passages and between I-beams in buildings of iron or steel constructions. Sheets can be furnished curved to any desired radius.

*Gauges*—Pure Zinc Coated—1¼-inch Corrugations 20 to 29 gauges, inclusive  
2½-inch Corrugations 12 to 29 gauges, inclusive

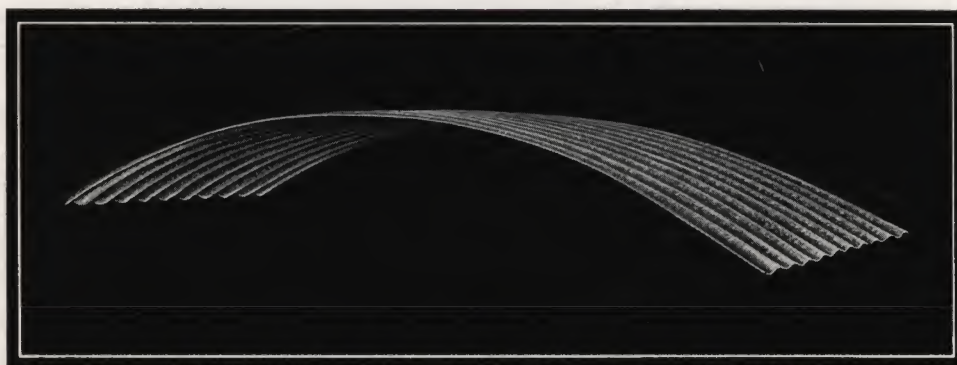
Painted Red . . . 1¼-inch Corrugations 20 to 28 gauges, inclusive  
2½-inch Corrugations 12 to 28 gauges, inclusive

*Widths* after corrugating . . . 26 and 27½ inches

*Lengths* before curving . . . Up to 144 inches



## Wheeling Curved Corrugated Sheets



### GRAVE ARCHES

**T**HESE are made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized) or Painted Red.

For assurance of permanence, the use of pure zinc coated (Galvanized) COP-R-LOY Grave Arches is recommended.

Grave Arches are made only from No. 22 gauge sheets with  $2\frac{1}{2}$ -inch corrugations. Sheets are 26 inches wide after corrugating. Where these arches are used, graves may be leveled off and grass planted almost immediately as the fills so supported do not have tendency to sink.

Curved to a rise of:

5.7 inches  
6.0 inches  
6.0 inches  
6.0 inches  
6.0 inches

Base will be:

20 inches  
24 inches  
32 inches  
34 inches  
36 inches

To install, shave off a little earth on each side of the excavation just above the top of the

vault, so that each end of the arch will be substantially supported.

Excavations 8 feet in length require 4 sheets.

### "U" CURVED ARCHES

"U" Curved Arches are manufactured to meet special requirements. Submit specifications with sketch and dimensions.

### AWNING SHEETS

#### SINGLE OR DOUBLE CURVE

$1\frac{1}{4}$  or  $2\frac{1}{2}$ -inch Corrugations

Gauges—Pure Zinc Coated— $1\frac{1}{4}$ -inch Corrugations 20 to 29 gauges, inclusive

$2\frac{1}{2}$ -inch Corrugations 12 to 29 gauges, inclusive

Painted Red . . .  $1\frac{1}{4}$ -inch Corrugations 20 to 28 gauges, inclusive

$2\frac{1}{2}$ -inch Corrugations 12 to 28 gauges, inclusive

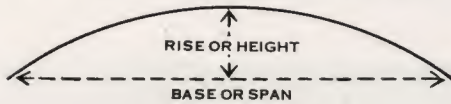
Widths after corrugating . . . 26 and  $27\frac{1}{2}$  inches

Lengths before curving . . . 5, 6, 7, 8, 9, 10, 11 and 12 feet





## TABLE FOR COMPUTING LENGTHS OF CURVED SHEETS



**DIRECTIONS FOR ORDERING**—For ceiling, give the distance between the web of the I-beam, rise of arch and length and number of spaces. Divide the height of arch by length of span; in column of heights, find the number agreeing with the quotient thus obtained; take number opposite to it in column to the right and multiply it by length of span,

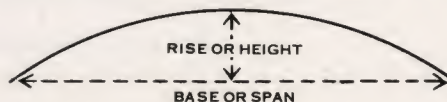
Height	Length	Height	Length	Height	Length	Height	Length
.001	1.00002	.135	1.04792	.19	1.09365	.245	1.15308
.005	1.00007	.136	1.04862	.191	1.09461	.246	1.15429
.01	1.00027	.137	1.04932	.192	1.09557	.247	1.15549
.015	1.00061	.138	1.05003	.193	1.09654	.248	1.1567
.02	1.00107	.139	1.05075	.194	1.09752	.249	1.15791
.025	1.00167	.14	1.05147	.195	1.0985	.25	1.15912
.03	1.0024	.141	1.0522	.196	1.09949	.251	1.16033
.035	1.00327	.142	1.05293	.197	1.10048	.252	1.16157
.04	1.00426	.143	1.05367	.198	1.10147	.253	1.16279
.045	1.00539	.144	1.05441	.199	1.10247	.254	1.16402
.05	1.00665	.145	1.05516	.2	1.10348	.255	1.16526
.055	1.00805	.146	1.05591	.201	1.10447	.256	1.16649
.06	1.00957	.147	1.05667	.202	1.10548	.257	1.16774
.065	1.01123	.148	1.05743	.203	1.1065	.258	1.16899
.07	1.01302	.149	1.05819	.204	1.10752	.259	1.17024
.075	1.01493	.15	1.05896	.205	1.10855	.26	1.1715
.08	1.01698	.151	1.05973	.206	1.10958	.261	1.17275
.085	1.01916	.152	1.06051	.207	1.11062	.262	1.17401
.09	1.02146	.153	1.0613	.208	1.11165	.263	1.17527
.095	1.02389	.154	1.06209	.209	1.11269	.264	1.17655
.1	1.02645	.155	1.06288	.21	1.11374	.265	1.17784
.101	1.02698	.156	1.06368	.211	1.11479	.266	1.17912
.102	1.02752	.157	1.06449	.212	1.11584	.267	1.1804
.103	1.02806	.158	1.0653	.213	1.11692	.268	1.18162
.104	1.0286	.159	1.06611	.214	1.11796	.269	1.18294
.105	1.02914	.16	1.06693	.215	1.11904	.27	1.18428
.106	1.0297	.161	1.06775	.216	1.12011	.271	1.18557
.107	1.03026	.162	1.06858	.217	1.12118	.272	1.18688
.108	1.03082	.163	1.06941	.218	1.12225	.273	1.18819
.109	1.03139	.164	1.07025	.219	1.12334	.274	1.18969
.110	1.03196	.165	1.07109	.22	1.12445	.275	1.19082
.111	1.03254	.166	1.07194	.221	1.12556	.276	1.19214
.112	1.03312	.167	1.07279	.222	1.12663	.277	1.19345
.113	1.03371	.168	1.07365	.223	1.12774	.278	1.19477
.114	1.0343	.169	1.07451	.224	1.12885	.279	1.1961
.115	1.0399	.17	1.07537	.225	1.12997	.28	1.19743
.116	1.03551	.171	1.07624	.226	1.13108	.281	1.19887
.117	1.03611	.172	1.07711	.227	1.13219	.282	1.20011
.118	1.03672	.173	1.07799	.228	1.13334	.283	1.20146
.119	1.03734	.174	1.07888	.229	1.13441	.284	1.20282
.12	1.03797	.175	1.07977	.23	1.13557	.285	1.20419
.121	1.0386	.176	1.08066	.231	1.13671	.286	1.20558
.122	1.03923	.177	1.08156	.232	1.13786	.287	1.20696
.123	1.03987	.178	1.08246	.233	1.13903	.288	1.20828
.124	1.04051	.179	1.08337	.234	1.1402	.289	1.20967
.125	1.04116	.18	1.08428	.235	1.14136	.29	1.21202
.126	1.04181	.181	1.08519	.236	1.14247	.291	1.21239
.127	1.04247	.182	1.08611	.237	1.14363	.292	1.21381
.128	1.04313	.183	1.08704	.238	1.1448	.293	1.2152
.129	1.0438	.184	1.08797	.239	1.14597	.294	1.21658
.13	1.04447	.185	1.0889	.24	1.14714	.295	1.21794
.131	1.04515	.186	1.08984	.241	1.14831	.296	1.21926
.132	1.04584	.187	1.09079	.242	1.14949	.297	1.22061
.133	1.04652	.188	1.09174	.243	1.15067	.298	1.22203
.134	1.04722	.189	1.09269	.244	1.15186	.299	1.22347





## TABLE FOR COMPUTING LENGTHS OF CURVED SHEETS

which gives length of sheet required. Example: Find length of sheet, base (or span) being 100 inches, rise being 25 inches. 25 divided by 100 equals .25; and .25, per table, equals 1.15912, length of base, which multiplied by 100 equals 115.912 inches, length of sheet before curving.



Height	Length	Height	Length	Height	Length	Height	Length
.3	1.22495	.35	1.29997	.4	1.38322	.45	1.47377
.301	1.22635	.351	1.30156	.401	1.38496	.451	1.47565
.302	1.22776	.352	1.30315	.402	1.38671	.452	1.47753
.303	1.22918	.353	1.30474	.403	1.38846	.453	1.47942
.304	1.23061	.354	1.30634	.404	1.39021	.454	1.48131
.305	1.23205	.355	1.30794	.405	1.39196	.455	1.4832
.306	1.23349	.356	1.30954	.406	1.39372	.456	1.48509
.307	1.23494	.357	1.31115	.407	1.39548	.457	1.48699
.308	1.23636	.358	1.31276	.408	1.39724	.458	1.48889
.309	1.2378	.359	1.31437	.409	1.399	.459	1.49079
.31	1.23925	.36	1.31599	.41	1.40077	.46	1.49269
.311	1.2407	.361	1.31761	.411	1.40254	.461	1.4946
.312	1.24216	.362	1.31923	.412	1.40432	.462	1.49651
.313	1.2436	.363	1.32086	.413	1.4061	.463	1.49842
.314	1.24506	.364	1.32249	.414	1.40788	.464	1.50033
.315	1.24654	.365	1.32413	.415	1.40966	.465	1.50224
.316	1.24801	.366	1.32577	.416	1.41145	.466	1.50416
.317	1.24946	.367	1.32741	.417	1.41324	.467	1.50608
.318	1.25095	.368	1.32905	.418	1.41503	.468	1.508
.319	1.25243	.369	1.33069	.419	1.41682	.469	1.50992
.32	1.25391	.37	1.33234	.42	1.41861	.47	1.51182
.321	1.25539	.371	1.33399	.421	1.42041	.471	1.51378
.322	1.25686	.372	1.33564	.422	1.42222	.472	1.51571
.323	1.25836	.373	1.3373	.423	1.42402	.473	1.51764
.324	1.25987	.374	1.33896	.424	1.42583	.474	1.51958
.325	1.26137	.375	1.34063	.425	1.42764	.475	1.52152
.326	1.26286	.376	1.34229	.426	1.42945	.476	1.52346
.327	1.26437	.377	1.34396	.427	1.43127	.477	1.52541
.328	1.26588	.378	1.34563	.428	1.43309	.478	1.52736
.329	1.2674	.379	1.34731	.429	1.43491	.479	1.52931
.33	1.26892	.38	1.34899	.43	1.43673	.48	1.53126
.331	1.27044	.381	1.35068	.431	1.43856	.481	1.53322
.332	1.27196	.382	1.35237	.432	1.44039	.482	1.53518
.333	1.27349	.383	1.35406	.433	1.44222	.483	1.53714
.334	1.27502	.384	1.35575	.434	1.44405	.484	1.5391
.335	1.27656	.385	1.35744	.435	1.44589	.485	1.54186
.336	1.2781	.386	1.35914	.436	1.44773	.486	1.54302
.337	1.27964	.387	1.36084	.437	1.44957	.487	1.54499
.338	1.28118	.388	1.36254	.438	1.45142	.488	1.54696
.339	1.28273	.389	1.36425	.439	1.45327	.489	1.54893
.34	1.28428	.39	1.36596	.44	1.45512	.49	1.5509
.341	1.28583	.391	1.36767	.441	1.45697	.491	1.55228
.342	1.28739	.392	1.36939	.442	1.45883	.492	1.55486
.343	1.28895	.393	1.37111	.443	1.46069	.493	1.55685
.344	1.29052	.394	1.37283	.444	1.46255	.494	1.55854
.345	1.29209	.395	1.37455	.445	1.46441	.495	1.56083
.346	1.29366	.396	1.37628	.446	1.46628	.496	1.56282
.347	1.29523	.397	1.37801	.447	1.46815	.497	1.56481
.348	1.29681	.398	1.37974	.448	1.47002	.498	1.5668
.349	1.29839	.399	1.38148	.449	1.47189	.499	1.56879
						.5	1.57079





# Wheeling Roofing Nails

For use in applying Wheeling Roofings and Sidings

## WHEELING LEAD HEADED NAILS

Barbed Shank . . . Needle Point

**S**TANDARD lengths: 1½, 1¾, and 2 inches. Furnished up to 4-inch lengths on special orders. Nails 1¾ inches are the most commonly used. Approximately 1½ to 2 pounds are required to apply one square of zinc coated (Galvanized) Roofing. It is not necessary to use lead washers with lead headed nails. The soft lead head flattens down when the nail is driven and tightly seals the nail hole, preventing the seepage of water.

Also supplied zinc coated (Hot Process) and strongly recommended for application of all Wheeling Zinc Coated Roofings.



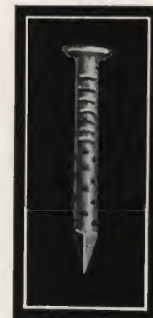
Lead Headed Nail

## WHEELING STANDARD BARBED ROOFING NAILS

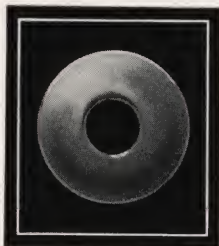
Zinc Coated (Hot Process) or Bright

Sizes	Gauge Nos.	Approx. No. to Pound
¾ in.	13	714
7/8 in.	12	469
1 in.	12	411
1 1/8 in.	12	365
1 1/4 in.	11	251
1 3/8 in.	11	230
1 1/2 in.	10	176
1 3/4 in.	10	151
2 in.	9	103

We recommend the use of zinc coated (Hot Process) Nails. Requires approximately ¾ pound to apply a square of zinc coated (Galvanized) Roofing



Barbed Roofing Nail



Lead Washer

## WHEELING LEAD WASHERS

Approximately 1/3 pound of Wheeling Lead Washers is required to apply a square of zinc coated (Galvanized) Roofing when used with Barbed Roofing Nails. Lead Washers are placed with the convex side up, the head of the nail forcing the washer tightly against the sheet and effectively sealing the small opening against the entrance of moisture.



Roofing Button

## WHEELING ROOFING BUTTONS

Zinc Coated or Tin 1¼-inch diameter. Packed in 10-, 25-, or 50-pound packages; also 300-pound barrels





## Wheeling COP-R-LOY Roofing Ternes



### HAND-DIPPED TERNE COATED ROOFING PLATES WITH A BASE OF GENUINE WHEELING-MADE **COP-R-LOY**

**T**HE roof commonly referred to as the Tin Roof, when properly made and applied, compares favorably with any type of roofing and in many particulars is superior to a roof made from other more expensive materials.

Architecturally, the tin roof is the only correct type for many classes of structure, making it possible to achieve simplicity in the roof design as well as harmony in its relation to the other structural features of the building. In keeping with the popular Georgian or early American Colonial types of architecture the tin roof is highly desirable.

For many years the leading roofing plates for the construction of such roofs have been Wheeling Old Style or Old Method Roofing Ternes, which are adapted to roofs of any pitch, are light in weight, easily and economically applied. Excellent in ap-

pearance, fire-proof and, when properly grounded, they are lightning-proof. 30- or 40-pound Coated Ternes (utilizing the correct mixture of pure tin and lead) withstand the destroying forces of nature for remarkably long periods.

To more fully assure long service and dependability all Wheeling Old Style or Old Method Terne Plates are now made with a base of COP-R-LOY, the special Wheeling alloy capable of prolonging their service many times more than if they were made of ordinary steel.

To protect buyers of this roofing product there are stamped on each plate of Old Style or Old Method Ternes the Wheeling trade mark, weight of coating and the words: Old Method or Old Style Hand-Dipped COP-R-LOY.



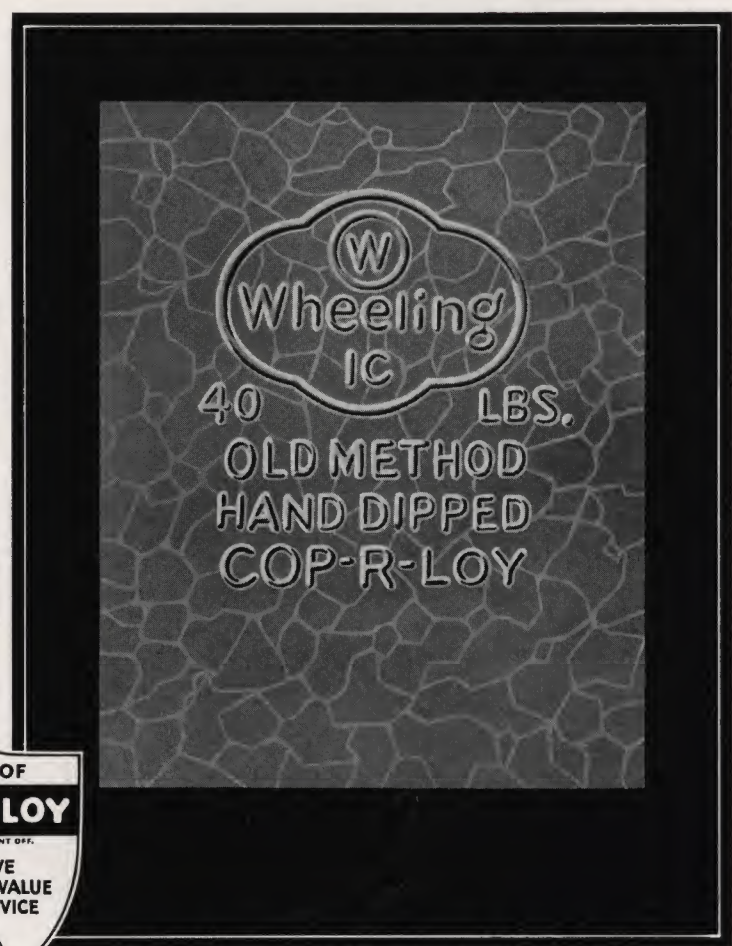




# Wheeling COP-R-LOY Roofing Ternes

OLD METHOD OR OLD STYLE—IC AND IX BASE WEIGHTS

MADE OF COP-R-LOY AND HAND-DIPPED



## STANDARD COATINGS AND FINISHES

Standard sizes: 20 x 28 inches and 14 x 20 inches.

<i>Names</i>	<i>Weights of Coating</i>	<i>Finishes</i>
Old Method . . . . .	.47 lbs.	Oil
Old Method . . . . .	.40, 30 and 25 lbs.	Bright Dry or Oil
Old Style . . . . .	.20 and 15 lbs.	Bright Dry or Oil
Old Style . . . . .	.8 lbs.	Bright Dry or Oil
Fire Door Standard. . . . .	.20 lbs.	Bright Dry or Oil



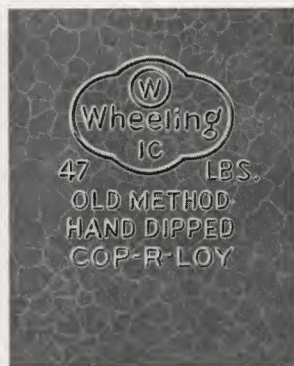


## Wheeling COP-R-LOY Roofing Ternes

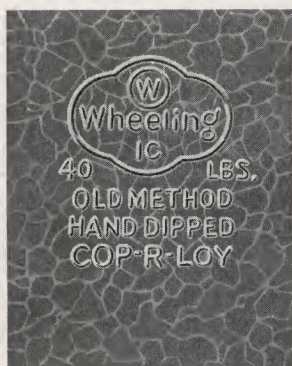
Packed 112 sheets 20 x 28 inches or 14 x 20 inches per package

**O**LD Style and Old Method Plates 20 x 28 inches with 15-pound and heavier coatings are redipped, resquared, and each plate stamped. 8-pound coated plates stamped but are resquared only on special order at a small

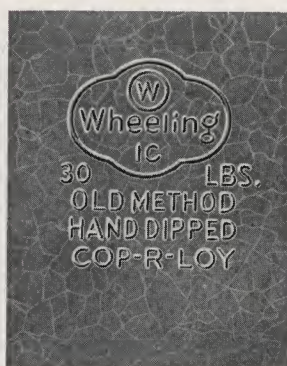
extra charge. Wheeling COP-R-LOY Roofing Ternes are carefully packed, top and bottom plate in each package being protected by heavy oiled paper. Boxes are tightly wired with four wires to insure delivery without breakage.



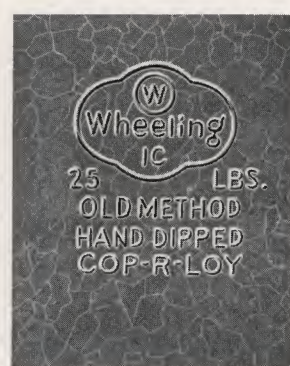
Wheeling IC—47 lbs.  
Old Method  
Hand-Dipped  
COP-R-LOY



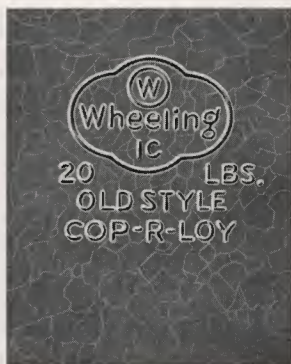
Wheeling IC—40 lbs.  
Old Method  
Hand-Dipped  
COP-R-LOY



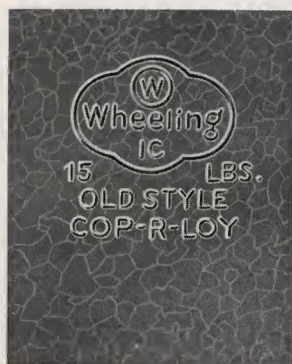
Wheeling IC—30 lbs.  
Old Method  
Hand-Dipped  
COP-R-LOY



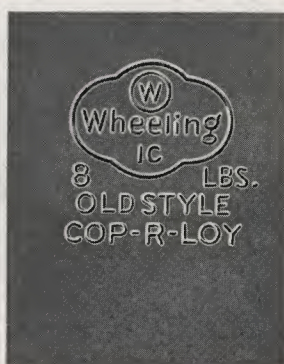
Wheeling IC—25 lbs.  
Old Method  
Hand-Dipped  
COP-R-LOY



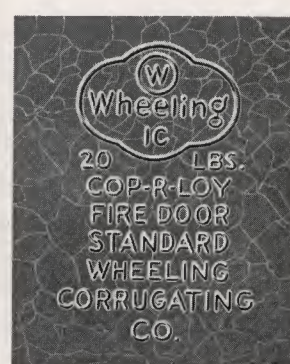
Wheeling IC—20 lbs.  
Old Style  
COP-R-LOY



Wheeling IC—15 lbs.  
Old Style  
COP-R-LOY



Wheeling IC—8 lbs.  
Old Style  
COP-R-LOY



Wheeling IC—20 lbs.  
Fire Door Standard  
Wheeling Corrugating Co.

On the stamps for IX Plates, IX is substituted for IC

### SHIPPING WEIGHTS PER PACKAGE OF 112 SHEETS, 20 x 28 INCHES

	IC	IX
47-lb. Oil Finish . . . . .	.265 pounds	321 pounds
40-lb. Bright Dry or Oil Finish. . . . .	.258 pounds	314 pounds
30-lb. Bright Dry or Oil Finish. . . . .	.248 pounds	304 pounds
25-lb. Bright Dry or Oil Finish. . . . .	.243 pounds	299 pounds
20-lb. Bright Dry or Oil Finish. . . . .	.238 pounds	294 pounds
15-lb. Bright Dry or Oil Finish. . . . .	.233 pounds	289 pounds
8-lb. Bright Dry or Oil Finish. . . . .	.226 pounds	282 pounds

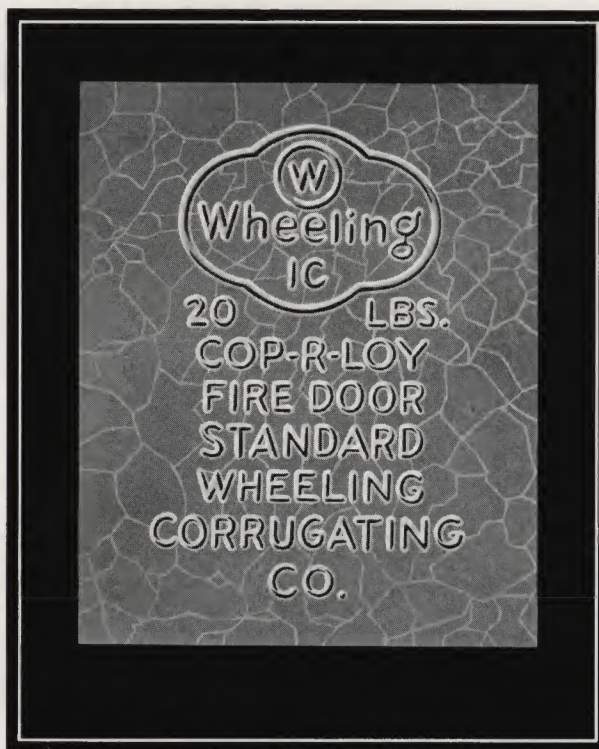




# Wheeling Fire Door Standard COP-R-LOY Terne Plate

IC 20-POUND COATED

Complies with Standard Specifications of Underwriters' Laboratories for Fire Door Terne Plate



## Specifications:

**T**HE plate shall be IC base weight (107 lb.) or heavier, classified as being of a '20-pound weight' in accordance with Simplified Practice Recommendation No. 30 of the U. S. Department of Commerce, approved January 1, 1925.

"Each case of terne plate of 112 sheets 20 x 28 inches shall have a nominal weight of not less than 226 pounds with a plus or minus tolerance of approximately 4 per cent.

"Each base box of terne plate of 112 sheets 14 x 20 inches shall have a nominal weight of not less than 113 pounds with a plus or minus tolerance of approximately 4 per cent.

"The plates shall have straight edges and square corners and shall be 'resquared' by the plate manufacturer before shipment. (For the purpose of this specification 'resquared' shall be understood as mean-

ing that one long side is taken as a base edge without trimming and that the other three sides are trimmed true to it as a base.)

"Each plate shall be identified as to the actual manufacturer by means of name or registered trade-mark and the words 'Fire Door Standard', 'IC 20-lb.' This identification shall consist of a legend stamped in the sheet; in addition, private brand names or marks may be shown if desired."



# Wheeling Coke Tin Plate

Standard sizes: 14 x 20, and 20 x 28 inches

Odd sizes supplied when size of order justifies special manufacturing.

All coke plates sold on basis of 112 sheets, 14 x 20 inches, called a base box.

## PRIME COKE PLATES

### THAYER BRAND

Wheeling Prime Coke Plates are assorted with the greatest care. Each plate is carefully examined and approved by skilled inspectors,

thus assuring clean, bright plates of unusually high quality.

Net weights per base box . . . . . 80, 85, 90, 95, 100, IC107, IXL128 and IX135 pounds  
Standard sizes . . . . . 20 x 28 and 14 x 20 inches

## Coke Plates for Heater Pipe and Furnace Pipe

### WALLACE BRAND (Unassorted)

Sizes of plates Diameters of pipe	20 x 23" 7"	20 x 26½" 8"	20 x 29½" 9"	20 x 32½" 10"	20 x 39" 12"	24 x 29½" 9"	24 x 32½" 10"	24 x 39" 12"
ICL net weight, 112 sheets. . .	165 lbs.	190 lbs.	211 lbs.	233 lbs.	279 lbs.	253 lbs.	280 lbs.	335 lbs.
IXL net weight, 112 sheets. . .	210 lbs.	242 lbs.	270 lbs.	297 lbs.	357 lbs.	324 lbs.	356 lbs.	428 lbs.

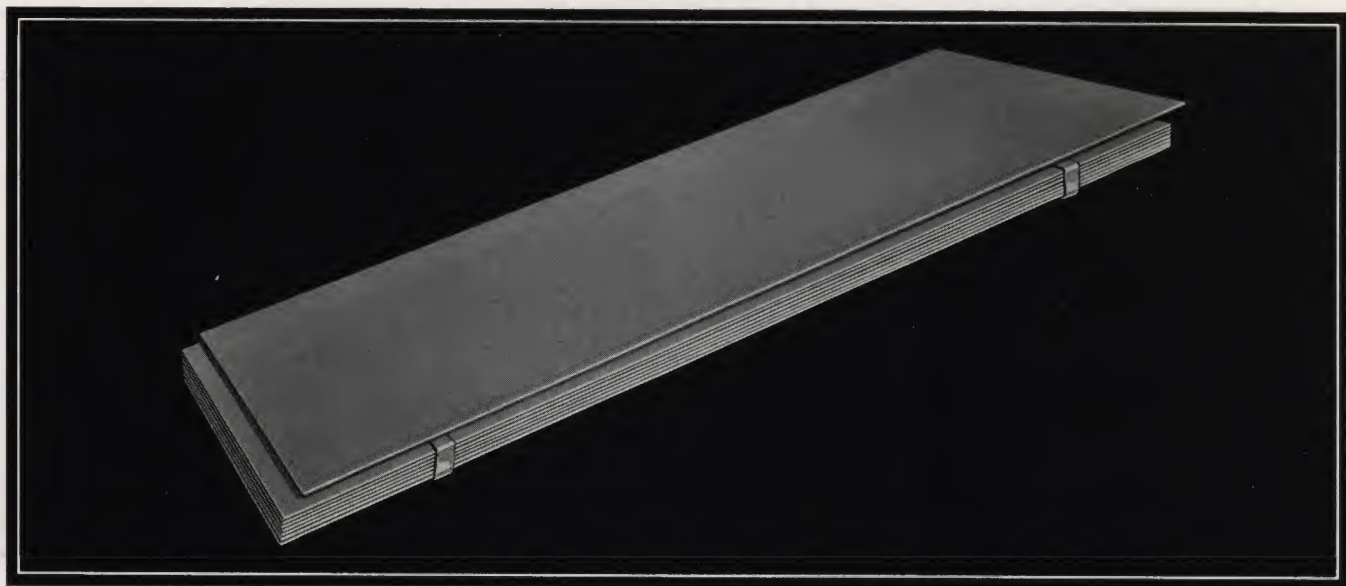
## STANDARD GAUGES AND WEIGHTS OF TIN PLATE

Trade Name	Nearest U.S. Standard Gauge No.	Weights per Square Foot	Weights per Base Box 14 x 20
55 lbs. . . . .	38	.253 pounds	55 pounds
60 lbs. . . . .	37	.276 pounds	60 pounds
65 lbs. . . . .	36	.298 pounds	65 pounds
70 lbs. . . . .	35	.321 pounds	70 pounds
75 lbs. . . . .	34	.344 pounds	75 pounds
80 lbs. . . . .	33	.367 pounds	80 pounds
85 lbs. . . . .	32	.390 pounds	85 pounds
90 lbs. . . . .	31	.413 pounds	90 pounds
95 lbs. . . . .	31	.436 pounds	95 pounds
100 lbs. (ICL) . . . . .	30½	.459 pounds	100 pounds
IC . . . . .	30	.491 pounds	107 pounds
IXL . . . . .	28	.588 pounds	128 pounds
IX . . . . .	28	.620 pounds	135 pounds
IXX . . . . .	27	.712 pounds	155 pounds
IXXX . . . . .	26	.804 pounds	175 pounds
IXXXX . . . . .	25	.895 pounds	195 pounds
IXXXXX . . . . .	25	.987 pounds	215 pounds





## Wheeling Long Terne Sheets



**M**ADE of COP-R-LOY or Open Hearth Steel, full finished, and coated with a mixture of tin and lead known as Terne Metal.

COP-R-LOY Long Terne Sheets are used exclusively in the making of many present-day

necessities and conveniences, and are specified by architects and engineers for many kinds of permanent construction.

Long Terne Sheets are supplied in either Bright Dry or Oil Finish. Unless ordered otherwise, Bright Dry is shipped.

### COATINGS

Standard Quality and Finish.

Heavy Coatings—40, 30, 20 and 15 pounds.

When Standard Coating is specified, no further explanation is necessary as to weight.

When Heavy Coated is specified, state weight of coating required.

Unless otherwise ordered, Standard Coated, Bright Dry Finish is shipped. When Standard Coating, Bright Dry, or Oil Finish is wanted on deep drawing or extra deep drawing stock, order must so state, and be large enough for a rolling.

Unit of coating weight is number of pounds of Terne Coating per box of 112 sheets, 20 x 28 inches.

### STANDARD GAUGES

All even gauges from 14 to 30 inclusive.

### STANDARD SIZES

Widths: 24, 28, 30 and 36 inches

Lengths: 96 and 120 inches

Special sizes are furnished either “unassorted” or with “seconds” arising and included. Orders must state which.



## Wheeling Long Terne Sheets

### EXTREME SIZES AND GAUGES

Widths	48 to 44"	42"	40"	38"	36 to 24"
Gauges	Lengths in Inches				
14-16. . . . .	120	120	120	120	120
18-22. . . . .	120	120	120	120	144
24 . . . . .	96	120	120	120	144
20 . . . . .	..	120	120	120	144
27 . . . . .	..	96	120	120	144
28 . . . . .	..	..	96	120	144
29-30. . . . .	..	..	..	..	144

The weights and thicknesses of Long Terne Sheets are approximately the same as for Black gauges

Less carload orders of Long Terne Sheets should be shipped crated. The crating charge

is nominal to cover the cost of materials and labor.

## FORTY-POUND COATED LONG TERNE SHEETS

### Made of COP-R-LOY

Many sheet metal workers prefer to use 40-pound Coated Long Terne Sheets in 8-foot lengths, instead of regular 20 x 28-inch sheets,

for making eaves trough, pipe, valley, etc., and the following sizes are carried in stock for quick shipment.

30 gauge (IC) . . . . .	.20 $\frac{1}{8}$ x 96 inches
30 gauge (IC) . . . . .	.28 $\frac{1}{8}$ x 96 inches
28 gauge (IX) . . . . .	.20 $\frac{1}{8}$ x 96 inches
28 gauge (IX) . . . . .	.24 $\frac{1}{8}$ x 96 inches
28 gauge (IX) . . . . .	.28 $\frac{1}{8}$ x 96 inches
28 gauge (IX) . . . . .	.30 $\frac{1}{8}$ x 96 inches
26 gauge . . . . .	.24 $\frac{1}{8}$ x 96 inches
26 gauge . . . . .	.28 $\frac{1}{8}$ x 96 inches

Guaranteed to be of the same quality as 40-pound Coated Old Method Roofing Ternes. Every sheet is stamped 40-pound Coated

COP-R-LOY. Sold unassorted and shipped crated only. Packed in crates containing 300 pounds.





## Wheeling COP-R-LOY Terne Roll Roofing



**M**ADE from IC and IX Wheeling COP-R-LOY Terne Roofing Plates. Also from all weights of coatings and from 40-pound Coated COP-R-LOY Long Terne Sheets.

Every sheet is resquared and stamped with name of plate and weight of coating. This insures straight rolls and identification of the quality product.

Rolls contain 28 or 31 sheets, 20 x 28-inch, as ordered, with seams single locked and soldered; double locked and soldered; or with

either single or double locked seams not soldered. Regular stock is 28 sheet rolls, either 20 or 28 inches wide, with seams single locked and soldered, painted on under side. Rolls not painted or painted both sides as ordered.

All rolls have steel heads which protect the edges in handling, shipping and storing. The head on one end is branded with name of plate, size and number of sheets per roll. This makes the material very convenient to handle.

28 sheet rolls 20 inches wide are  $61\frac{3}{4}$  feet long and contain 103 square feet after locking  
28 sheet rolls 28 inches wide are 43 feet long and contain  $100\frac{3}{4}$  square feet after locking  
31 sheet rolls 20 inches wide are  $68\frac{1}{2}$  feet long and contain 114 square feet after locking  
31 sheet rolls 28 inches wide are  $47\frac{3}{4}$  feet long and contain  $111\frac{1}{2}$  square feet after locking

When ordering always specify width and number of sheets per roll, whether single or double locked seams—soldered or not soldered; whether painted one side, two sides or not painted.

### SHIPPING WEIGHTS PER ROLL OF 28 SHEETS

IC Standard (8 to 12 pounds) Coated . . . . .	.55 pounds	IC—25-pound Coated . . . . .	.58 pounds
IC—15-pound Coated . . . . .	.56 pounds	IC—30-pound Coated . . . . .	.60 pounds
IC—20-pound Coated . . . . .	.57 pounds	IC—40-pound Coated . . . . .	.62 pounds
IC—47-pound Coated . . . . .	.64 pounds		





## Wheeling COP-R-LOY Terne Roll Valley and Gutter



**M**ADE from both IC and IX Wheeling COP-R-LOY Terne Roofing Plates of all weights of coating and from COP-R-LOY Long Terne Sheets.

Every sheet is resquared and stamped with name of plates and weight of coating.

Rolls are 10, 14, 20 or 28 inches wide, containing 50 or 100 lineal feet, with single or double locked seams soldered or not soldered, as or-

dered. Rolls are painted one or both sides, or unpainted as ordered.

All rolls have steel heads which protect the edges. Head at one end is branded with name of plate, size and length of roll.

When ordering, always specify width and length of rolls desired; whether single or double locked seams—soldered or not soldered; whether painted one side, two sides or not painted.

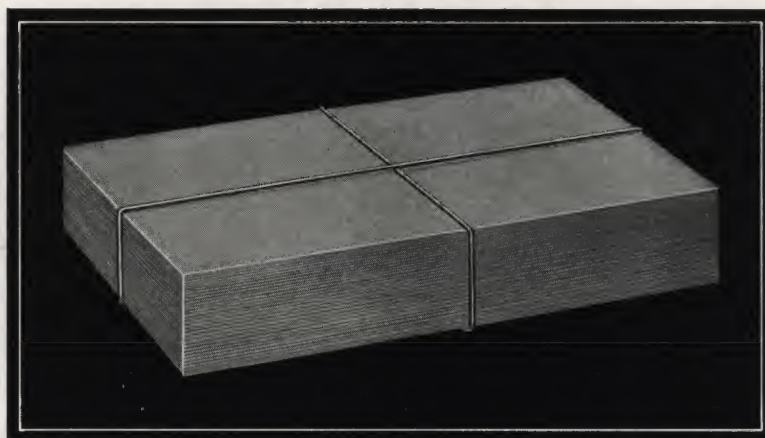
### SHIPPING WEIGHTS PER 100 FEET

	IC	IC	IC	IC	IC	IC	IC	IC
Width of Rolls	Standard 8 lbs. Coated	Special 8 lbs. Coated	15 lbs. Coated	20 lbs. Coated	25 lbs. Coated	30 lbs. Coated	40 lbs. Coated	47 lbs.
10 inches. . . . .	42 lbs.	45 lbs.	46 lbs.	47 lbs.	48 lbs.	49 lbs.	51 lbs.	53 lbs.
14 inches. . . . .	59 lbs.	63 lbs.	64 lbs.	65 lbs.	67 lbs.	68 lbs.	71 lbs.	73 lbs.
20 inches. . . . .	84 lbs.	90 lbs.	91 lbs.	93 lbs.	95 lbs.	97 lbs.	101 lbs.	105 lbs.
28 inches. . . . .	118 lbs.	125 lbs.	127 lbs.	129 lbs.	133 lbs.	135 lbs.	141 lbs.	145 lbs.





## Wheeling COP-R-LOY Terne Flashings



**T**ERNE FLASHINGS (trade name, Tin Flashings) are made exclusively of COP-R-LOY base in same coating weights as Roofing Plates,

cut to size and painted on both sides (furnished not painted when ordered). Wired in packages of 100 pieces each.

Standard sizes: 4 x 5, 5 x 7 and 7 x 10 inches  
Approximate shipping weights of Flashings per 100 pieces:

Sizes	4 x 5 in.	5 x 7 in.	7 x 10 in.
IC 8 lbs.. . . . .	7 pounds	13 pounds	27 pounds
IC 15 lbs.. . . . .	8 pounds	13 pounds	27 pounds
IC 20 lbs.. . . . .	8 pounds	14 pounds	28 pounds
IC 25 lbs.. . . . .	8 pounds	14 pounds	29 pounds
IC 30 lbs.. . . . .	9 pounds	15 pounds	29 pounds
IC 40 lbs.. . . . .	9 pounds	15 pounds	30 pounds
IC 47 lbs.. . . . .	10 pounds	16 pounds	31 pounds

## WHEELING FLASHING HOOKS



Standard List Prices Per 100

Sizes	1½ in.	2½ in.	3½ in.	5½ in.	7½ in.
Black . . . \$ .90	\$1.50	\$2.20	\$5.00	\$ 8.00	
Tinned . . . 1.10	1.80	2.70	6.00	10.00	





# Wheeling COP-R-LOY Spanish Metal Tile

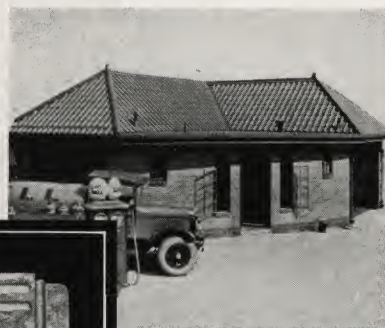
MADE OF RUST-RESISTING

## COP-R-LOY

and

## HAND-DIPPED

## IN PURE MOLTEN ZINC



Eaves Tile No. 161

Main Tile No. 150

Size of tile  $8\frac{1}{2}'' \times 11\frac{3}{4}''$ —packed in crates containing 144 main tiles—sufficient to lay one square

**D**OUBLY durable—made of terne coated COP-R-LOY and Hand-Dipped in Pure Molten Zinc.

The combination of these long-life qualities—full rust-resistance and heavy, doubly protective coating—assures a roof of enduring permanence and protection that will require little or no repair during the life of the building. Furnished in two weights—IC and IX.

Wheeling Spanish Tile can also be supplied made from IC or IX Terne Coated COP-R-LOY painted red or green as may be ordered. Also on special order it may be made from 16-oz. copper.

Spanish Metal Tiles lock together like metal shingles. The specially designed locking joints provide for contraction and expansion due to variations in temperature.

They are particularly suited for homes, churches, stores, garages, filling stations and public buildings.

The Wheeling line of Spanish Tile and Fittings is complete. This is a big advantage because it means a roof of one uniform quality throughout.

See pages 68, 69, 70, and 71 for Directions for Applying.

## ENDURING BEAUTY AT MODERATE COST

**T**HE beautiful and massive roof effect of the old Spanish structures is now obtainable by the use of Wheeling Spanish Tile. These sturdy, light weight metal tiles do not require heavy and costly timbering but can be applied on inexpensive framing. Metal tiles do not break; they are watertight, and are very easy

to handle and apply. Now you can offer home builders and home owners an attractive Spanish Tile roof of metal that is fire-safe, rust-resisting, and lightning-proof, at a very moderate cost. You can supply beauty and charm in a metal roof of this kind with convincing assurance of permanence and distinct economy.





# Wheeling COP-R-LOY Spanish Metal Tile



**GABLE  
STARTER TILE**  
No. 162  
COVERS 3"X 11 1/4"



**LEFT HAND SIDEWALL  
FLASHING TILE No. 164**  
COVERS 8 1/2"X 11 1/4" WITH  
4" VERTICAL FLASHING



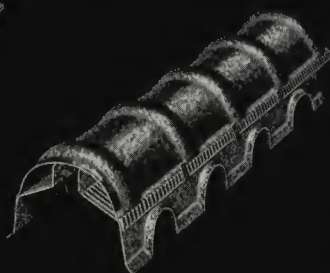
**EAVES TILE**  
No. 161  
COVERS 8 1/2"X 11 1/4"



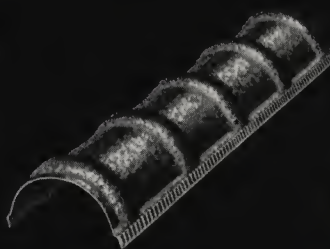
**MAIN TILE**  
No. 150  
COVERS 8 1/2"X 11 1/4"



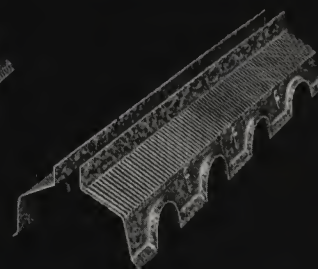
**GABLE  
END  
FINISH**  
No. 159  
2"X 1 1/2"X 1/2"  
10 FT. LENGTHS



**RIDGE TILE**  
No. 153  
COVERS 8"X 34"



**RIDGE TILE CAP**  
No. 153A  
COVERS 34" LENGTHWISE



**RIDGE TILE FLASHING**  
No. 158R  
COVERS 34" LENGTHWISE



**VALLEY No. 160**  
20" GIRTH  
8" EXPOSED SURFACE  
10 FT. LENGTHS



**RIGHT  
VALLEY  
TILE**  
No. 151



**LEFT  
VALLEY  
TILE**  
No. 152

ONE RIGHT AND  
ONE LEFT VALLEY  
TILE REQUIRED  
FOR EACH ROW  
OF MAIN TILE THAT  
INTERSECTS VALLEY  
MAXIMUM COVERING  
AREA 8 1/2"X 20"

**T**HE complete line of Wheeling Spanish Metal Tile and Fittings is illustrated on this and the following page. All of these various fittings have been carefully designed to make a finished roof of harmony and symmetry that will be true to type. The fittings for use along roof edges, valleys, and around dormers facilitate the speedy application of the tile and should be used as recommended in the directions for applying, to promote the best results.

Nos.	Fittings	How to Apply	Page
162	Gable Starter Tile	See Fig. No. 2	68
164	Left Hand Sidewall Flashing Tile	See	71
161	Eaves Tile	See Fig. No. 2	68
150	Main Tile	See Fig. No. 2	68
159	Gable End Finish	See Fig. No. 3 & 4	68-69
153	Ridge Tile	See Fig. No. 5 & 6	69
153A	Ridge Tile Cap	These members	
158R	Ridge Tile Flashing	form No. 153	
160	Valley	See Fig. No. 9 & 10	71
151	Right Valley Tile	See Fig. No. 9 & 10	71
152	Left Valley Tile	See Fig. No. 9 & 10	71





# Wheeling COP-R-LOY Spanish Metal Tile



**HIP TILE**  
No. 155

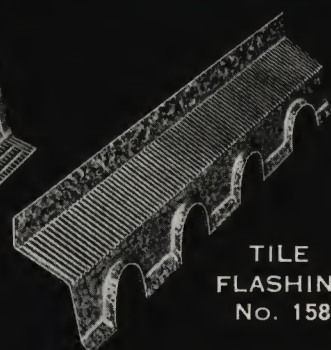
ONE REQUIRED FOR EACH ROW  
OF MAIN TILE THAT INTERSECTS HIP



**LEFT HAND  
HIP TILE**  
No. 155B



**RIGHT HAND  
HIP TILE**  
No. 155A



**TILE  
FLASHING**  
No. 158

34" LONG—ONE PIECE REQUIRED  
FOR EVERY FOUR ROWS OF TILE



**HIP STARTER**  
No. 156



**GABLE FINIAL**  
No. 154



**DORMER FINIAL**  
No. 163



**FINIAL**  
No. 157  
FOR TWO HIPS AND ONE RIDGE



**FINIAL**  
No. 157B  
FOR TWO RIDGES AND ONE HIP



**FINIAL**  
No. 157A  
FOR FOUR HIPS

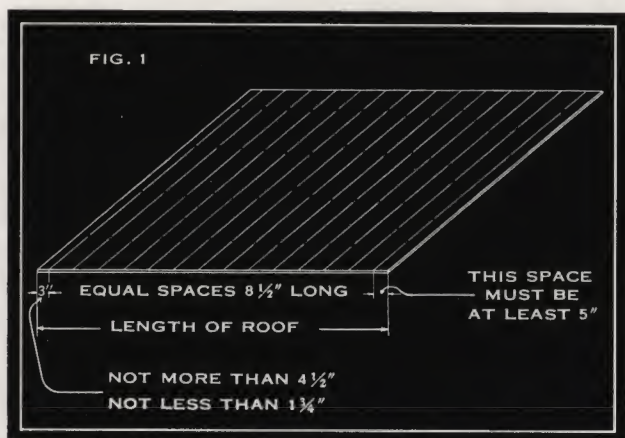
ON PAGES 68-71 full instructions are given as to where to use and how to apply the fittings illustrated on this and the preceding page. The use and proper application of all of these fittings, as may be required, are very essential to the appearance and efficiency of the finished roof. As the fittings are made of the same materials as the tiles you are assured of a complete roof of uniform, finest, and most durable quality, that may be expected to render thorough satisfaction.

Nos.	Fittings	How to Apply	
155	Hip Tile	See Fig. No. 8	Page 70
155A	Right Hand Hip Tile	These members form No. 155	
155B	Left Hand Hip Tile		
158	Tile Flashing	See	" 71
156	Hip Starter	See Fig. 8	" 70
154	Gable Finial	See	" 70
163	Dormer Finial	See Fig. 7	" 70
157	Finial for 2 hips and 1 ridge	See	" 71
157B	Finial for 2 ridges and 1 hip	See	" 71
157A	Finial for four hips	See	" 71



# Wheeling COP-R-LOY Spanish Metal Tile

## Instructions for Applying



A SPANISH Metal Tile roof correctly applied is both beautiful and symmetrical. Proper application not only enhances the appearance of the roof, but adds to the efficiency, life and service of the material. Read the following instructions carefully:

### First preparatory step

Apply wood sheathing without gaps between boards. Cover the wood sheathing with building paper—it deadens sound and insulates the roof.

### Second preparatory step

The gable edges of the roof should be at right angles with the ridge or comb, and also with the eaves. Note and correct any deviation.

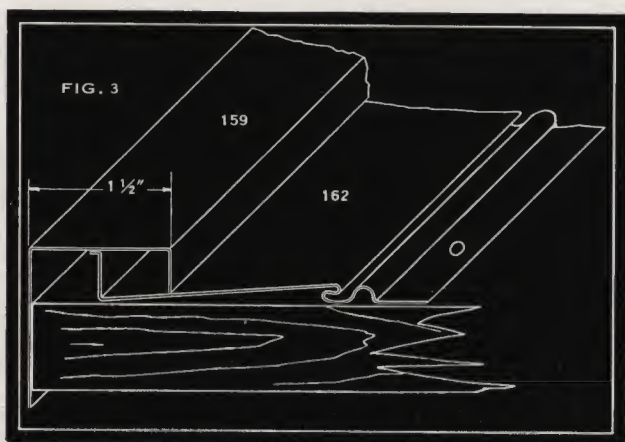
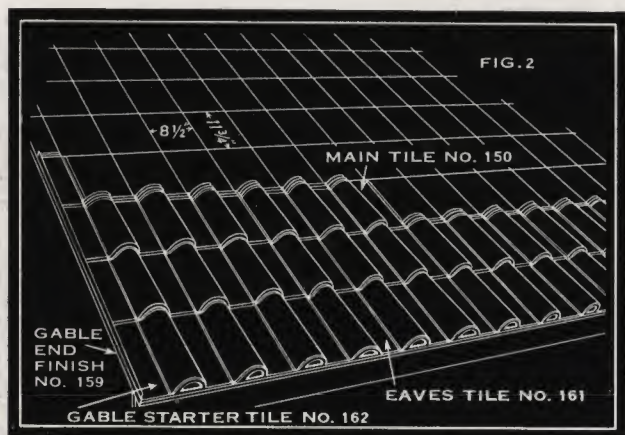
### First preparatory measurement (See Fig. 1)

Starting at the left gable edge, and measuring parallel with eaves to the right, lay off a space of 3 inches. Divide the remaining space, entire length of the roof, into sections of  $8\frac{1}{2}$  inches each (the width of the tile). Should the remaining space at the right gable be less than 5 inches in width but more than  $3\frac{1}{2}$  inches, extend this "remaining space" to the left until it is at least 5 inches, see figure No. 1. This is done to avoid cutting the rolls of the Main or Eaves Tiles.

Should the space at the right be less than  $3\frac{1}{2}$  inches, then move the beginning point at the left to the left the distance necessary to make the "remaining space" at the right at least 5 inches. This will make it necessary to use one more row of tile. By reference to figure No. 3, it is seen that Gable End Finish No. 159 provides an adjustment of  $1\frac{1}{2}$  inches of Gable Starter Tile No. 162.

The above measurements establish a starting point at the left. Beginning with this starting point, mark off the roof into spaces  $8\frac{1}{2}$  inches each (the width of the tile) and with a chalk line mark the roof, as shown in figure No. 1, into lines which must be parallel with the gable edge.

**NOTE:**—If there are valleys in the roof, Valley No. 160 should be applied before applying Eaves or Main Tile (see instructions on pages 70 and 71).







# Wheeling COP-R-LOY Spanish Metal Tile

## Instructions for Applying

### Application of Gable Starter Tile No. 162

(See Fig. 2)

Lay the first Gable Starter Tile No. 162 at the lower left corner as shown in figure No. 2, making sure that the bead on the tile is exactly over the chalk line.

### Application of Eaves Tile No. 161 (See Fig. 2)

Hook Eaves Tile No. 161 into Gable Starter Tile No. 162—lay from left to right, keeping the beads over the lines and the ends of the tiles parallel with the eaves, as shown in figure No. 2.

### Application of Main Tile No. 150

(See Figs. 2 and 4)

After the row of Eaves Tile No. 161 is laid, measure from the upper edge of the tiles towards the ridge or comb of the roof  $11\frac{3}{4}$  inches, and make a chalk line across the roof from gable edge to gable edge, repeating these lines  $11\frac{3}{4}$  inches apart to the comb or ridge as shown in figure No. 2. Begin by laying Gable Starter Tile No. 162, then lay the Main Tile No. 150 from left to right, always bringing the upper edges of the tiles to the intersections of the chalk lines. Both Eaves and Main Tiles at the right gable edge should be cut and bent upward to the right angle as shown in figure No. 4.

### Application of Gable End Finish No. 159

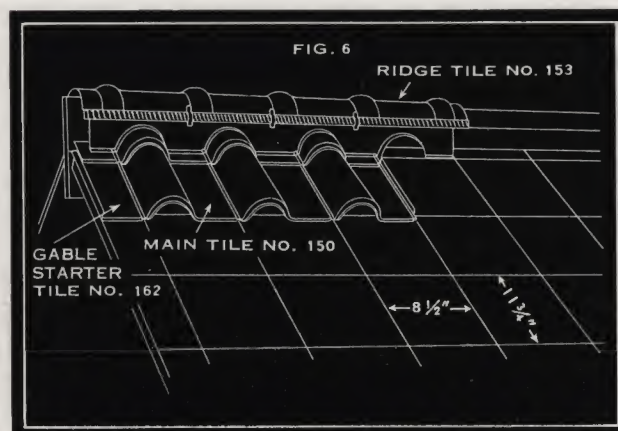
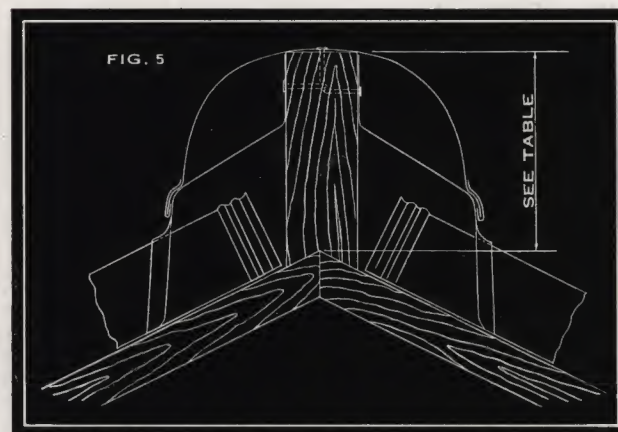
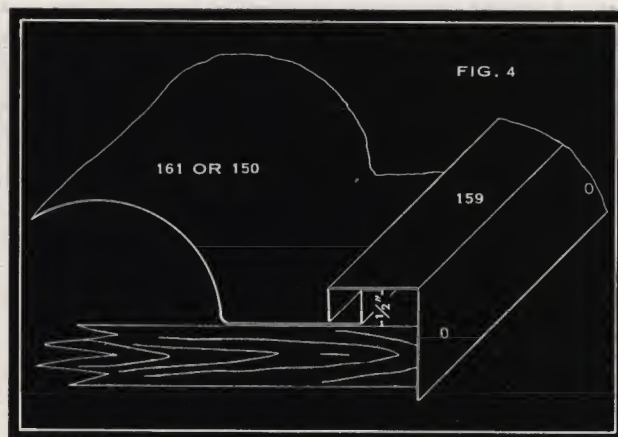
(See Figs. 3 and 4)

After all the Gable, Eaves and Main Tiles are laid, apply Gable End Finish No. 159, nailing it into the edge of the sheathing along the gables as shown in figures Nos. 3 and 4.

### Applying Ridge Tile No. 153 (See Figs. 5 and 6)

To apply Ridge Tile No. 153, use a piece of wood called the Ridge Board on top of the ridge or comb. The Ridge Board should extend above the sheathing to a certain height determined by the pitch of the roof as follows:

Rise in 12 Inches	Height of Board	Thickness of Board
12"	$2\frac{5}{8}"$	$1\frac{3}{4}"$
10"	3"	$1\frac{3}{4}"$
8"	4"	$1\frac{3}{4}"$
6"	$4\frac{3}{4}"$	$1\frac{3}{4}"$
5"	$5\frac{1}{4}"$	$1\frac{3}{4}"$







# Wheeling COP-R-LOY Spanish Metal Tile

## Instructions for Applying

Fit the Ridge Flashing No. 158-R over the Main Tile No. 150 at ridge or comb and nail it to the Ridge Board. Apply Ridge Tile Cap No. 153-A on top of Ridge Board and Flashings, securing with clips provided on the Ridge Flashings No. 158-R, and nail through the top into the Ridge Board using a Lead Headed Nail. If Lead Headed Nails are not used, cover nail heads with solder or roof cement to make them leak-proof.

### Applying Gable Finial No. 154

Apply Gable Finial No. 154 after Ridge Tile No. 153 has been fastened. The apron of the Finial fits over the Ridge Tile. The Finial is then nailed to the edge of the sheathing with Lead Headed Nails. If Lead Headed Nails are not used, cover the heads with solder or roof cement.

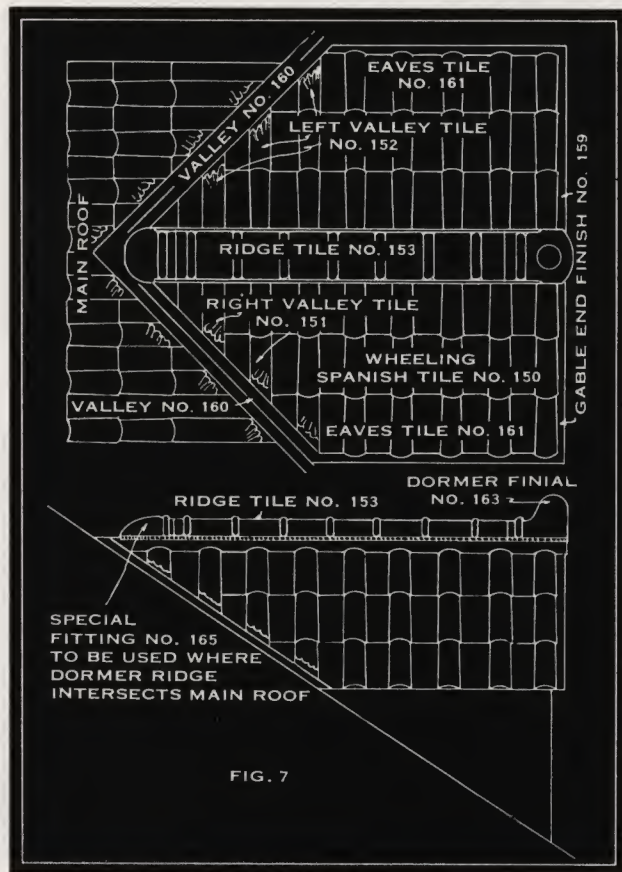


FIG. 7

### Applying Hip Starter No. 156 (See Fig. 8)

Hip Starter No. 156 is to be cut to fit the corner at the lower end of hip and nailed as shown in figure No. 8. Use a 1-inch board to support the two halves of the Hip Tile. At the junction of the Ridge Board with the Hip Board, the two boards should be brought to the same height.

### Applying Hip Tiles No. 155 (See Fig. 8)

Hip Tiles No. 155 (No. 155-A Right Hand and No. 155-B Left Hand) are adjustable to variations of pitch and can be fitted snugly upon the roof tiles. The left hand member (No. 155-B) should first be fitted over the roof tiles and tightly nailed at the bottom of the shaped flange with Lead Headed Nails. The flat part at the top should then be nailed to the supporting hip board, using three (3) 6d Cement Coated Nails to each section. The folded edge is then bent down forming a hook which is inserted in the turned edge of the right hand member (No. 155-A) forming a lock. This lock should be partly closed and then the right hand member fitted to the roof tiles and nailed. After this is done the lock should then be malletted down tightly to form a watertight joint.

### Applying Valley No. 160 and Valley Tiles Nos. 151 and 152 (See Figs. 9 and 10)

Valley No. 160 should be applied before laying the Eaves Tile No. 161 or the Main Tile No. 150. After

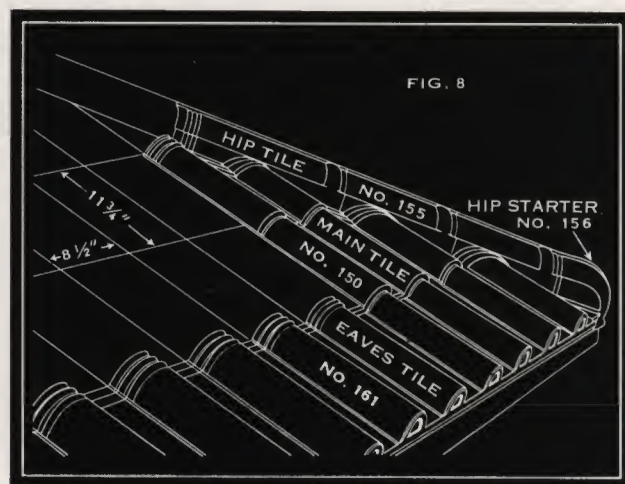


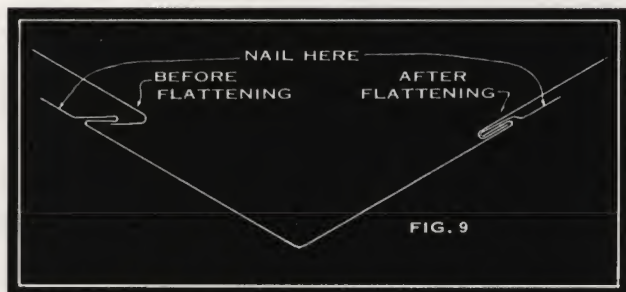
FIG. 8





# Wheeling COP-R-LOY Spanish Metal Tile

## Instructions for Applying



Valley No. 160 is applied, cut Valley Tile No. 152 Left and Valley Tile No. 151 Right so the cut edges will be parallel to the valley, turning the edges under to form a hook about  $\frac{1}{2}$  inch to  $\frac{5}{8}$  inch in width. These hooks are to be inserted into the fold in No. 160 Valley and seams formed by mashing down with a wooden mallet. (See figure No. 9.) Where and how to cut Valley Tiles Nos. 152 and 151 is best determined on the job, the amount of cutting varying with the different conditions and necessary adjustments.

### Applying Dormer Finial No. 163 (See Fig. 7)

Dormer Finial No. 163 is used any place where a ridge intersects a roof slope. The apron of the Dormer Finial is to be cut to the angle of the gable, then turned and nailed as shown on figure No. 7.

### Applying Three and Four-Way Finials

Three-Way Finials Nos. 157 and 157-B and Four-Way Finial No. 157-A are applied by cutting, when necessary, to fit the slope of the hips. The finials are soldered to the hips and ridges on the job.

### Applying Side Wall Flashing Tiles No. 164

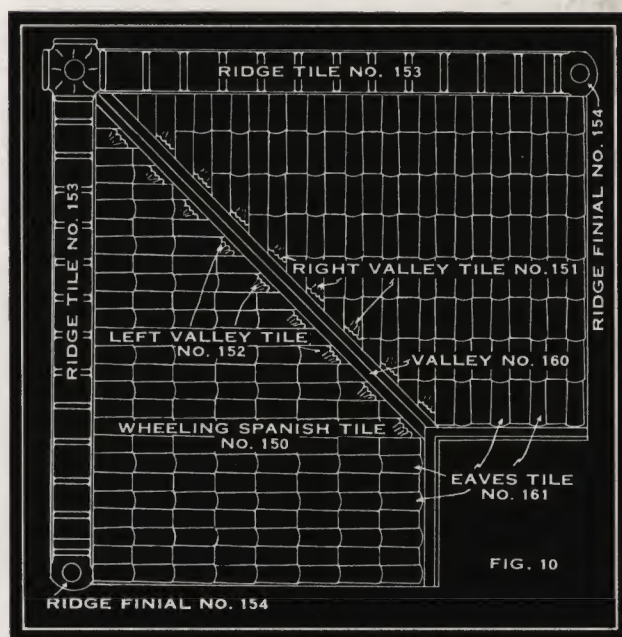
Side Wall Flashing Tiles No. 164 are made the same shape as Main Tile No. 150 with the exception that there is a plain flashing edge at the left. These Flashing Tiles are used where a side wall is adjacent to the

left hand side of a roof. Since Spanish Tiles are always applied by starting at the lower left hand corner of the roof, therefore, only left hand Side Wall Flashing Tiles are furnished. To apply, turn the plain flashing edge up to the proper angle and proceed the same as with the Main Tiles, allowing the plain flashing to extend up the wall.

Where there is a wall on the right hand side of the roof, Main Tiles can be used for flashing by turning up the right hand side to the proper angle, or a plain piece of flashing can be used to suit the condition.

### Applying Tile Flashing No. 158

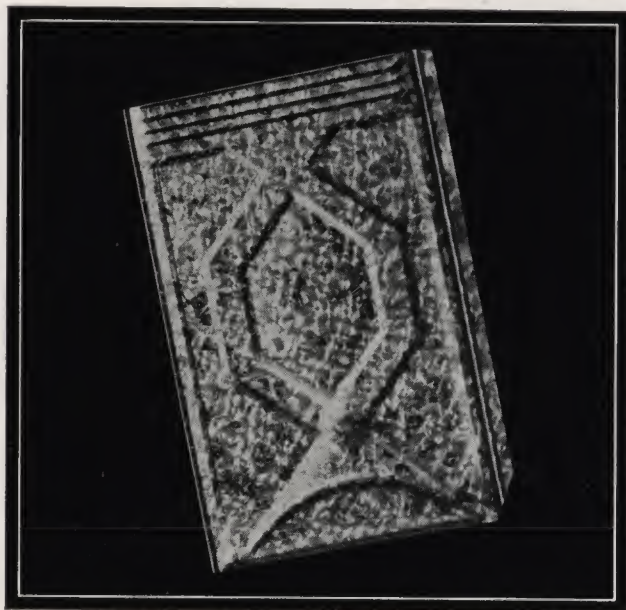
Tile Flashing No. 158 is used as a finish at the top of lean-to roofs, also where the bottom of dormer intersects main roof and on the lower face of chimneys. Fit the lower part around the main tiles and then turn the flashing edge to the proper angle to make a water-tight finish.







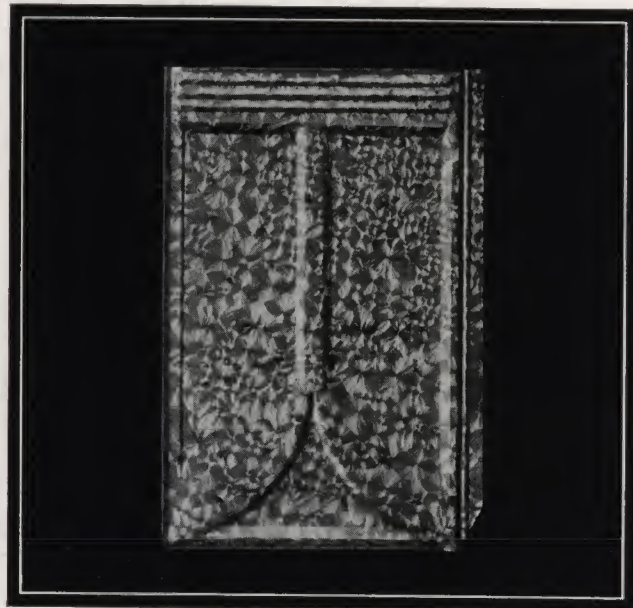
## Wheeling Metal Shingles



**DIXIE**

Sizes— 10" x 14"  
14" x 20"

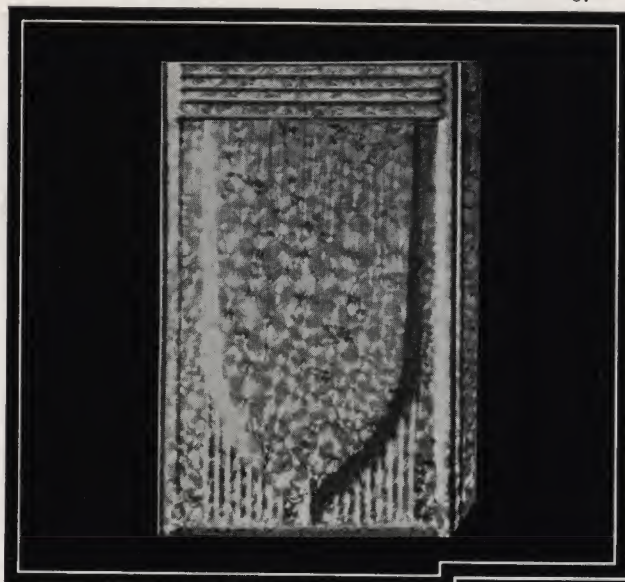
Number per 141  
Square— 67



**VIRGINIA**

Sizes— 10" x 14"  
14" x 20"

Number per 141  
Square— 67



**WHEELING**

Size— 10" x 14"

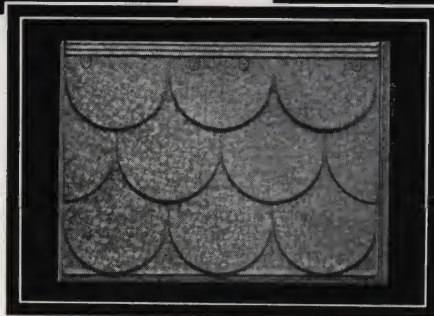
Number per 141  
Square—



**WARWOOD**

Size— 10" x 14"

Number per 141  
Square—



**OHIO CLUSTER**

Size— 17½" x 26"

Number per 32  
Square—





## Wheeling Metal Shingles

FOR ANY STYLE OF BUILDING WITH A ROOF  
OF QUARTER PITCH OR MORE

**W**HEELING Metal Shingles offer a medium for distinctive roof effects that are efficient as well as attractive. There are five different patterns from which to choose, affording a wide range for a selection suitable to the type of roof to be covered.



tifically designed locking device prevents curling or warping, allowing fully for contraction and expansion under changing temperatures. Because a metal roof cools quickly after sundown Wheeling Metal Shingles have been for many years

very popular in southern states.

There is a practical quality in Metal Shingles that makes their use a distinct advantage over other types of roofing. Not only are they moderate in cost but they are fire-proof, lightning-proof, when properly grounded, and the scien-

A particular point of economy is the fact that Metal Shingles are not very heavy per square and require only a light framing structure which effects a saving in building cost over heavier forms of roofing.

### AN ATTRACTIVE AND PRACTICAL ROOF

Stamped from Terne Coated rust-resisting COP-R-LOY and Hand-Dipped in Pure Molten Zinc—the durable protection which guarantees long service

#### MADE OF COP-R-LOY

**F**OR that definite assurance of permanence and ultimate economy the use of shingles that are first stamped from terne coated COP-R-LOY and afterwards individually Hand-Dipped in Pure Molten Zinc is recommended. All edges and surfaces are thoroughly covered with a heavy protective coating. The slight extra cost is more than justified by the double protection against rust.



#### FOUR OTHER GRADES

These shingles can also be furnished in other materials as follows:

Stamped from pure zinc coated COP-R-LOY Sheets

Stamped from pure zinc coated Open Hearth Steel Sheets

Stamped from Terne Coated COP-R-LOY and Painted Red or Green as ordered

Stamped from 16-ounce Copper Sheets.



## Wheeling Metal Shingles

### EASILY APPLIED

**W**HEELING Metal Shingles are applied by the same rules that govern the laying of wood shingles or slate. Only a pair of snips and a hammer are required. No solder is necessary as the shingles lock tightly together and all nail heads are covered. See instructions on page 75.

### MANY DISTINCT ADVANTAGES

Metal shingles will not warp, crack, curl up or burn. They will not break and blow off, and afford secure protection against driving rains or snows. Metal shingles will not come loose from any cause as their construction allows fully for contraction and expansion, while still remaining weatherproof. They are ornamental, durable, and fire-safe. Particularly adapted for dormers, gables and mansards.



Wheeling Metal Shingles are ideal  
for roofing residences



Wheeling Metal Shingles are popular  
for gasoline station roofs





# Wheeling Metal Shingles

## Instructions for Applying

**M**ETAL shingles are applied by the same rules that govern the laying of wood shingles or slate: Cover building with sheathing boards laid with tight joints; good common boards will answer, but must be of even thickness. Sheathing boards should be laid either parallel with the ridge and eaves or diagonally. Never lay sheathing boards up and down.

The use of sheathing paper is recommended; being a non-conductor, it adds much to the warmth of the house in winter, makes the house cool in hot weather, and adds but little to the cost of the roof. Never use tar paper under metal roofing; the acid in the tar injures the metal.

Commence laying the shingles at the lower left hand corner, when facing the comb of roof. Let the first course project over the eaves about one inch or more, using a chalk line to keep the courses straight at the bottom. The bottom of the shingle is the guide to lay a straight course—not the top.

At the end of the building let the shingles project about one inch over the barge-boards, turn sides down and nail. In laying the second and subsequent courses, every alternate course should start with a half shingle in order to break joints. Where cutting and fitting are necessary, the good judgment of the workman must be his guide. If there be a gutter formed near the eaves, have the shingles rest upon it, as you would if using wood shingles or slate.

In flashing against a side wall bend the shingle so that it projects up the side of the wall three inches or more, and counter-flash down to within one inch of the roof line. These directions apply to dormers, chimneys, skylights, etc., etc.

The use of our special valley will insure perfect weatherproof joint, and greatly assist in laying the shingles. Lay the valley from eaves to comb of roof; nail only on the outer edge of the flange.

In laying shingles toward the valley, to make connections, cut the shingles to the same angle as the valley, allowing them to

project about one-half inch over the fold, and turn same under to form a hook, then with hand-tongs or other tool lock the shingle to the flange of the valley. The fold in the valley allows for contraction and expansion.

In working from the valley, it is best to lock three or four shingles together; place them in position on the roof with bottom parallel with eaves; tack them at the top, then with a straight-edge mark and cut shingles to fit angle of the valley, allowing about one-half inch to bend under and lock on the flange of the valley; this is easily done with hand-tongs or other tool.

Special ridge finish, if used, must be in place and nailed to the sheathing before the last course of shingles is laid at the top of the roof. Slide the tongue end of one piece of coping into the opposite end of the next piece to make a snug joint. Nail coping through the nailing flanges; do not nail through the folds. Insert the top of the last course of shingles into the folds of the ridge coping over the nailing flange, thus protecting the nail-heads from the weather, and making an absolutely weather-proof finish.

Hip coverings are applied over the main roof shingles after they are all laid and nailed in place. The roof shingles are laid clear to the hip, allowed to project and cut off one inch beyond the hip line. This projection is to be turned down over the hip and nailed.

The shingles on the other side of the roof are allowed to project about one inch back over the hip line and over the side already finished, turned down and nailed.

At the hip there is a double covering of shingles, both edges nailed. The hip covering is then laid in place and nailed, starting from the bottom upward, overlapping enough to make a tight joint.

Any good carpenter or workman who understands the simple rules for applying wood shingles or slate will have no trouble in laying metal shingles. No solder is used. Only a pair of snips and a hammer, the most ordinary of tools, are required.



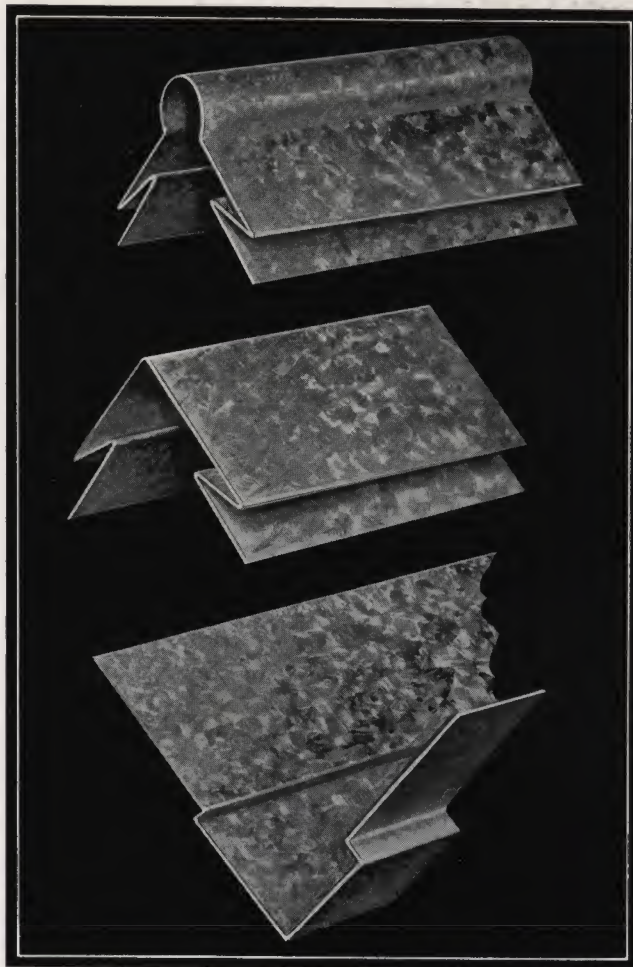
Wheeling Metal Shingles are shipped in convenient cartons containing one square





# Wheeling Metal Shingles

## SPECIAL FITTINGS FOR METAL SHINGLES



All fittings for Wheeling Metal Shingles are as carefully made as the shingles themselves and of the same materials—pure zinc coated (Galvanized) COP-R-LOY or Painted Terne Coated COP-R-LOY, or zinc coated Open Hearth Steel.

### SPECIAL RIDGE FINISH

#### STYLE A WITH ROLL TOP

Girth . . . . . 19 in.  
Length . . . . . 10 ft.

Applied before the last course of shingles is laid. No nail holes are exposed as the shingles fit snugly into the fold covering the nailing flange, affording a neat and weather-proof ridge finish.

#### STYLE B WITH PLAIN TOP

Girth . . . . . 18 in.  
Length . . . . . 10 ft.

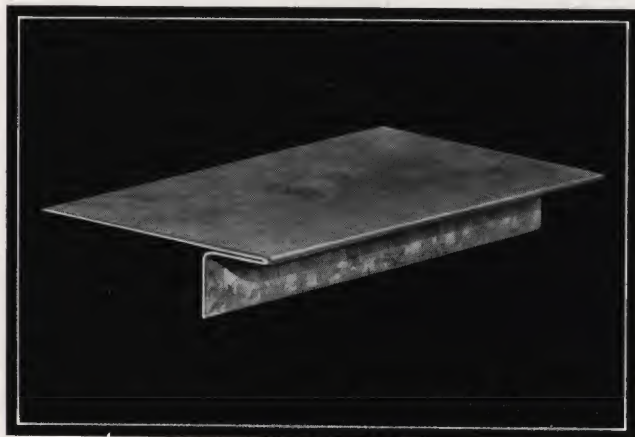
Used for the same purpose as Style A, excepting that it is finished plain instead of with roll.

### SPECIAL VALLEY

Girth . . . . . 14 in. or 20 in.  
Length . . . . . 10 ft.

The shingles lock in the fold near the center of the valley and water cannot wash up under them.

## EAVES DRIP OR GABLE END FINISH



### Made from Pure Zinc Coated Steel Sheets

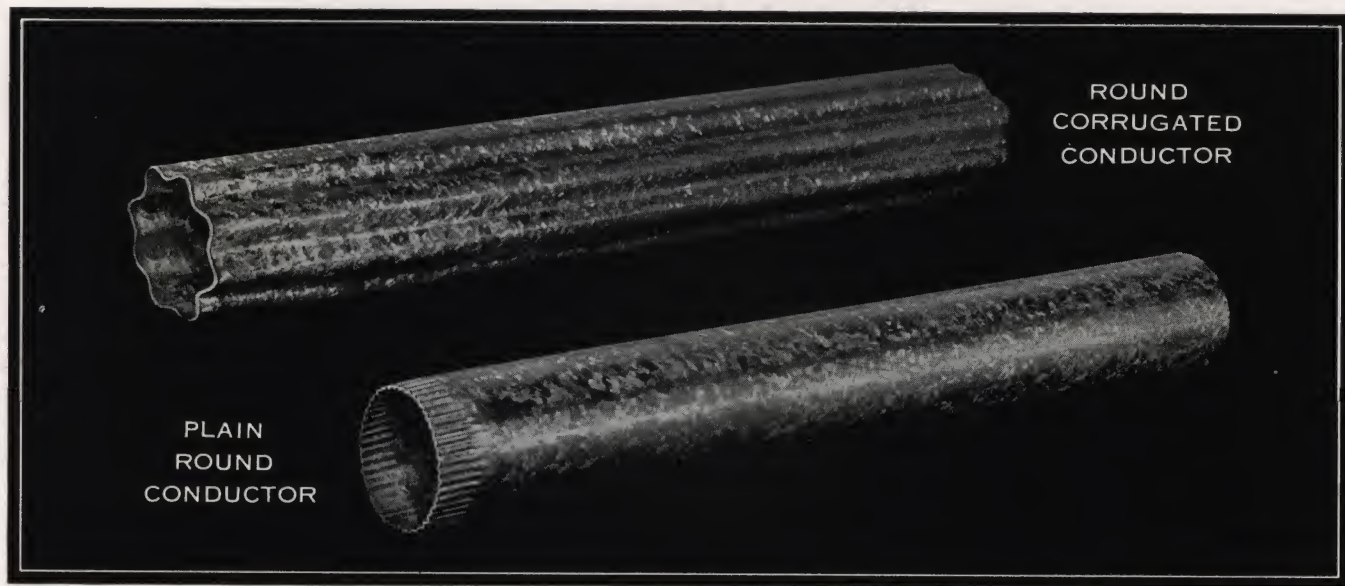
Girth . . . . . 5 in.  
Length . . . . . 10 ft.

Wheeling Eaves Drip, sometimes called "Shingle Starter," "Gable End Finish," or "Rake Roll," can be used to good advantage under composition, wood, and metal shingles. It supports and protects the drip edge and, when used with metal shingles, it prevents breaking down the first row of shingles when a ladder is leaned against the roof edge. It also presents a neatly finished edge along the gable end of a roof.





## Wheeling Conductor Pipe



### PLAIN ROUND OR ROUND CORRUGATED

**M**ADE of pure zinc coated (Galvanized) COP-R-LOY or Open Hearth Steel, or 10- and 40-pound Terne Coated COP-R-LOY or 16-ounce Copper. Lengths are straight, perfectly formed, true to size and gauge. For

long life and economical service the use of Zinc Coated COP-R-LOY Conductor Pipe is recommended. The method of crating Wheeling Conductor Pipe is exceptionally efficient to insure delivery in good condition at destination.

#### STANDARD LIST PRICES PER FOOT—10-FOOT LENGTHS

Sizes		2 in.	3 in.	4 in.	5 in.	6 in.
28-gauge . . . . .	$\left\{ \begin{array}{l} \text{Zinc Coated COP-R-LOY} \\ \text{or Steel, 10- or 40-pound} \\ \text{Terne Coated COP-R-LOY} \end{array} \right\}$	.18	.20	.28	.39	.50
26-gauge . . . . .		.23	.24	.34	.46	.58
24-gauge . . . . .		. . .	.34	.46	.60	.72
16-ounce Copper . . . . .		.30	.36	.51	.69	.90

### EXTRA HEAVY CONDUCTOR PIPE

Made of COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized).

The manufacture of Conductor Pipe from such heavy gauges as Nos. 22 and 20 requires unusual facilities.

Wheeling is equipped fully for this, due to extensive sheet metal manufacture. Wheeling Extra Heavy Conductor Pipe is made in Plain Round and Round Corrugated, both in 8-foot lengths. Net prices quoted upon application.

#### 22-GAUGE PLAIN ROUND OR ROUND CORRUGATED

Sizes . . . . . 3 4 5 6 7 8 inches  
Round Corrugated not made larger than 7 inches

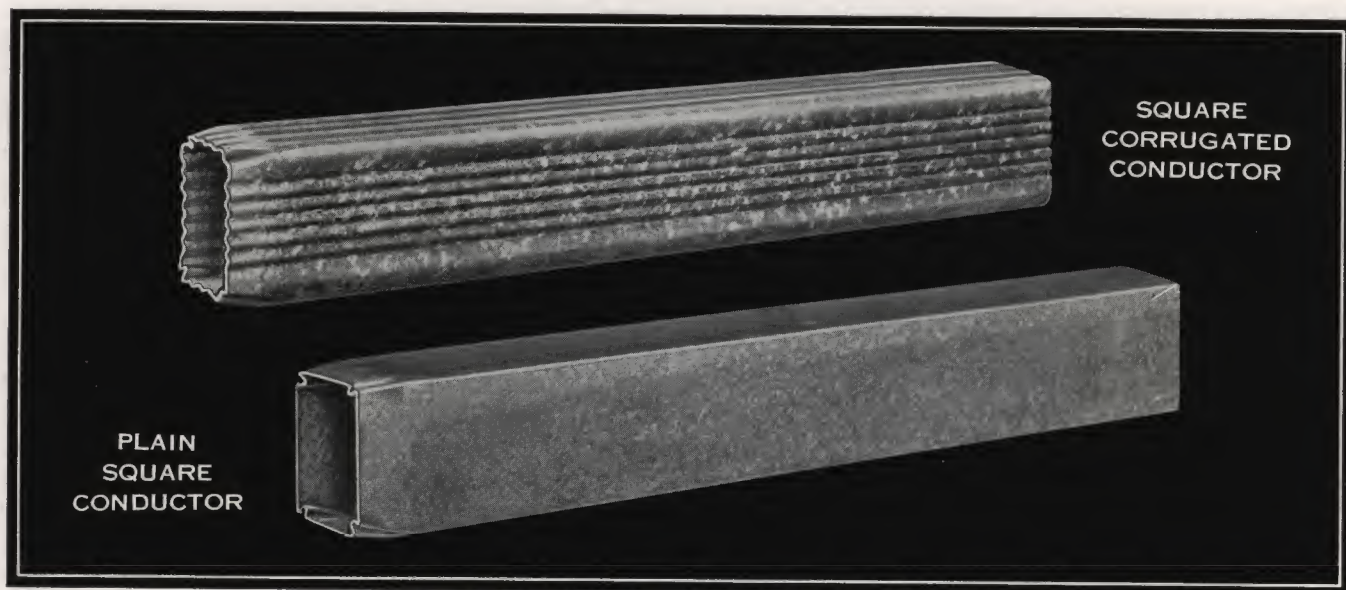
#### 20-GAUGE PLAIN ROUND ONLY

Sizes . . . . . 3 4 5 6 7 8 inches





## Wheeling Conductor Pipe



### PLAIN SQUARE OR SQUARE CORRUGATED

**M**ADE of pure zinc coated (Galvanized) COP-R-LOY or Open Hearth Steel, or 10- and 40-pound Terne Coated COP-R-LOY, or 16-ounce Copper. Lengths are straight, perfectly formed, true to size and gauge. For

long life and economical service the use of Zinc Coated COP-R-LOY Conductor Pipe is recommended. The method of crating Wheeling Conductor Pipe is exceptionally efficient to insure delivery in good condition at destination.

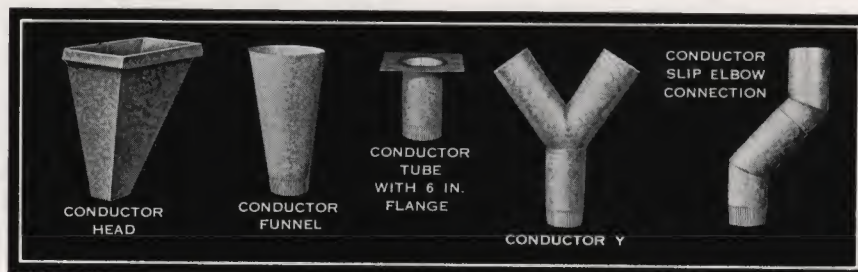
#### STANDARD LIST PRICES PER FOOT—10-FOOT LENGTHS

Sizes (Actual Measurement)		2 in. 1¾ x 2¼	3 in. 2⅝ x 3¼	4 in. 2¾ x 4¼	5 in. 3¾ x 5
28-gauge. . . . .	{ Zinc Coated COP-R-LOY or Steel, 10- or 40-pound Terne Coated COP-R-LOY }	.23	.24	.31	.42
26-gauge. . . . .		.29	.30	.38	.50
24-gauge. . . . .		... .	.40	.50	.65
16-ounce Copper . . . . .		.31	.40	.53	.75

Special sizes of plain square or plain rectangular pipe made to order. Net prices quoted on receipt of specifications.

### SPECIAL CONDUCTOR PIPE FITTINGS

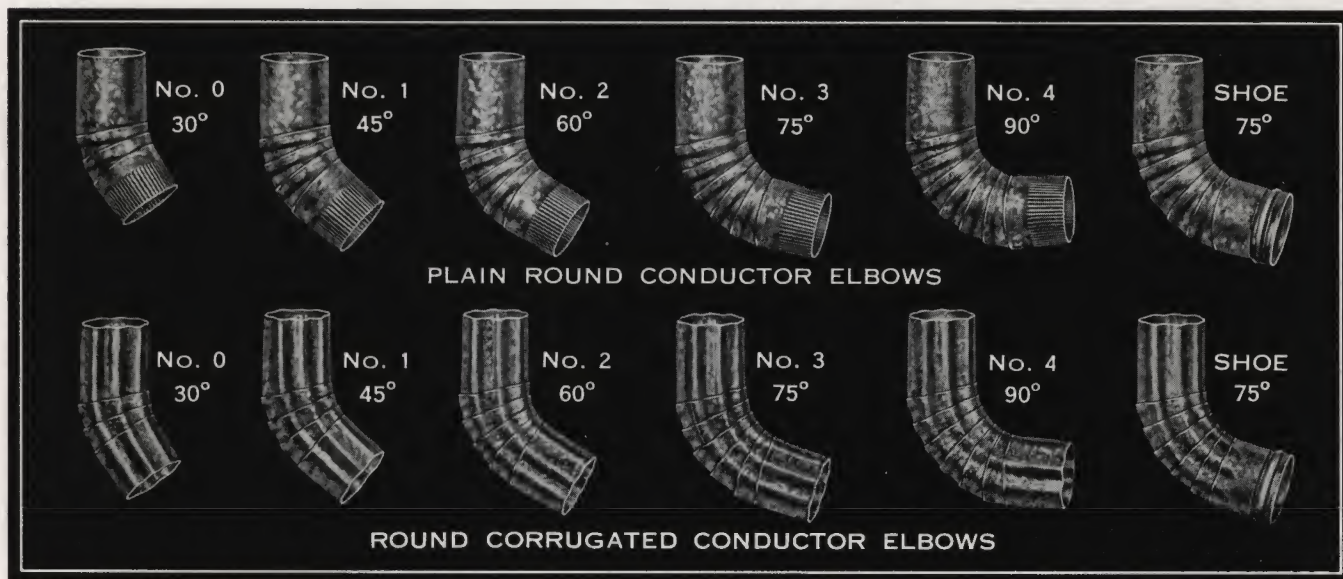
Net prices on these fittings will be quoted on request.







## Wheeling One-Piece Conductor Elbows and Shoes



### PLAIN ROUND OR ROUND CORRUGATED

**W**HEELING Elbows and Shoes are made in one piece with locked seams. Ends are crimped to fit standard diameters of pipe and require neither clipping nor soldering to insure fit and holding of position. Wheeling Elbows

and Shoes are first formed from Number 28 or 26 gauge Terne Coated COP-R-LOY and are then Hand-Dipped in pure molten zinc. Also made from 10- and 40-pound Terne Coated COP-R-LOY or 16-ounce Copper.

#### STANDARD LIST PRICES PER DOZEN

COP-R-LOY and Open Hearth Steel,

Pure Zinc Coated; COP-R-LOY  
10-pound Terne Coated

COP-R-LOY 40-pound Terne  
Coated

16-ounce Copper

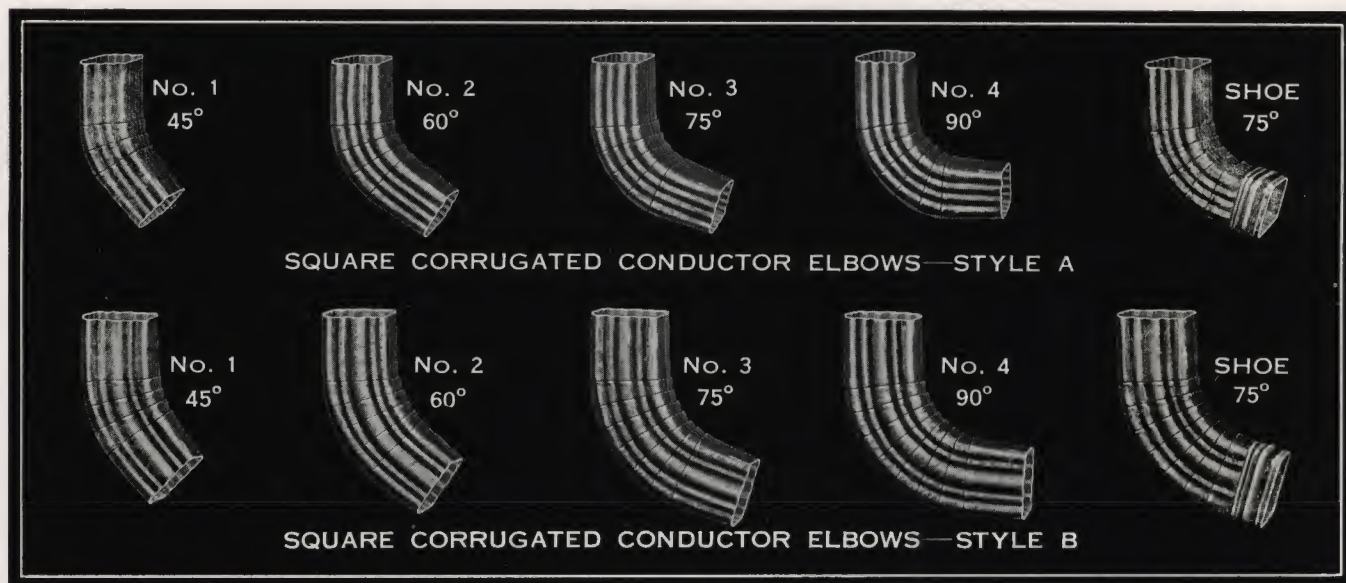
Sizes	Elbows Doz.	Shoes Doz.	Sizes	Elbows Doz.	Shoes Doz.	Sizes	Elbows Doz.	Shoes Doz.
2-inch . . .	\$ 3.60	\$ 4.80	2-inch . . .	\$ 4.80	\$ 6.00	2-inch . . .	\$ 9.00	\$10.20
3-inch . . .	4.32	5.76	3-inch . . .	5.76	7.20	3-inch . . .	12.00	13.20
4-inch . . .	7.20	9.00	4-inch . . .	9.00	10.80	4-inch . . .	18.00	19.80
5-inch . . .	15.00	18.00	5-inch . . .	17.40	19.80	5-inch . . .	27.00	30.00
6-inch . . .	18.00	21.60	6-inch . . .	21.00	24.00	6-inch . . .	37.80	42.00

When ordering, specify gauge, whether plain or corrugated, size and number.





# Wheeling One-Piece Conductor Elbows and Shoes



## SQUARE CORRUGATED

STYLE A OR B

STANDARD LIST PRICES PER DOZEN

COP-R-LOY and Open Hearth Steel,  
Pure Zinc Coated; COP-R-LOY  
10-pound Terne Coated

COP-R-LOY 40-pound Terne  
Coated

16-ounce Copper

Sizes	Elbows Doz.	Shoes Doz.	Sizes	Elbows Doz.	Shoes Doz.	Sizes	Elbows Doz.	Shoes Doz.
2-inch . . .	\$ 4.80	\$ 6.00	2-inch . . .	\$ 7.20	\$ 9.00	2-inch . . .	\$10.80	\$12.60
3-inch . . .	6.00	7.20	3-inch . . .	8.40	10.20	3-inch . . .	14.40	16.20
4-inch . . .	7.80	9.60	4-inch . . .	10.80	13.20	4-inch . . .	21.60	24.00
5-inch . . .	12.00	15.00	5-inch . . .	16.20	19.20	5-inch . . .	33.00	36.00

When ordering, specify style, gauge, size and number



## FOUR-PIECE ADJUSTABLE ELBOWS FOR CONDUCTOR PIPE

Made of COP-R-LOY and Open Hearth Steel, Pure  
Zinc Coated and COP-R-LOY 10-pound Terne Coated.

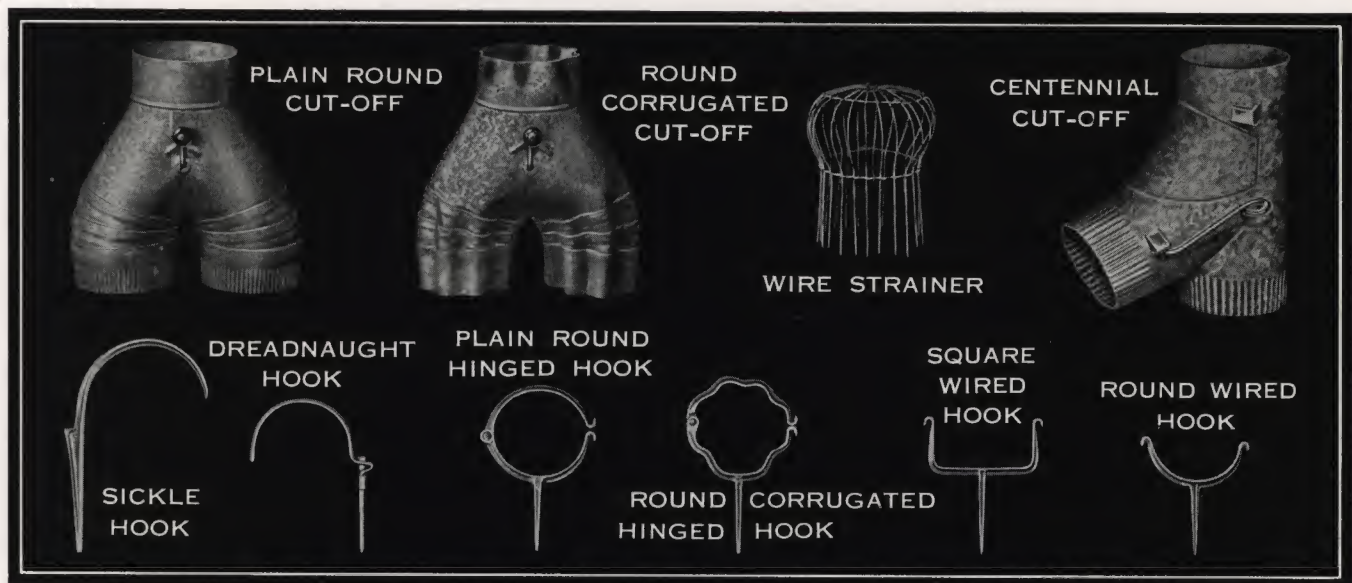
STANDARD LIST PRICES PER DOZEN

Sizes	2 in.	3 in.	4 in.	5 in.	6 in.	7 in.
Per dozen	\$2.40	\$3.60	\$4.80	\$6.60	\$8.40	\$10.20





## Wheeling Conductor Pipe Fittings



### WHEELING ONE-PIECE CUT-OFFS

Wheeling Cut-offs are first made from IX Terne Coated COP-R-LOY and then Hand-Dipped in Pure Molten Zinc. Cut-offs can also be furnished made from COP-R-LOY 40-pound Terne Coated or 16-ounce Copper.

#### STANDARD LIST PRICES PER DOZEN

Sizes	2 in.	3 in.	4 in.	5 in.	6 in.
Pure Zinc Coated Plain					
or Round . . . . .	\$ 7.00	\$ 8.00	\$11.00	\$20.00	\$24.00
Terne Coated Round					
Corrugated. . . . .	7.50	8.00	11.00	20.00	24.00
16-ounce Copper. . . . .	18.00	24.00	36.00	.....	.....

#### CENTENNIAL CUT-OFFS—Net prices on request

### CONDUCTOR PIPE STRAINERS

#### Standard List Prices For Round Pipe Per Dozen

Sizes	2 in.	3 in.	4 in.	5 in.	6 in.
Zinc Coated . . . . .	\$ .75	\$1.05	\$1.85	\$2.55	\$3.00
Copper . . . . .	1.80	2.90	4.20	7.20	8.25

### CONDUCTOR HOOKS—Terne Coated

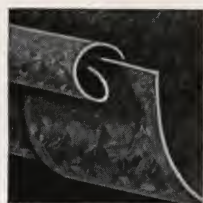
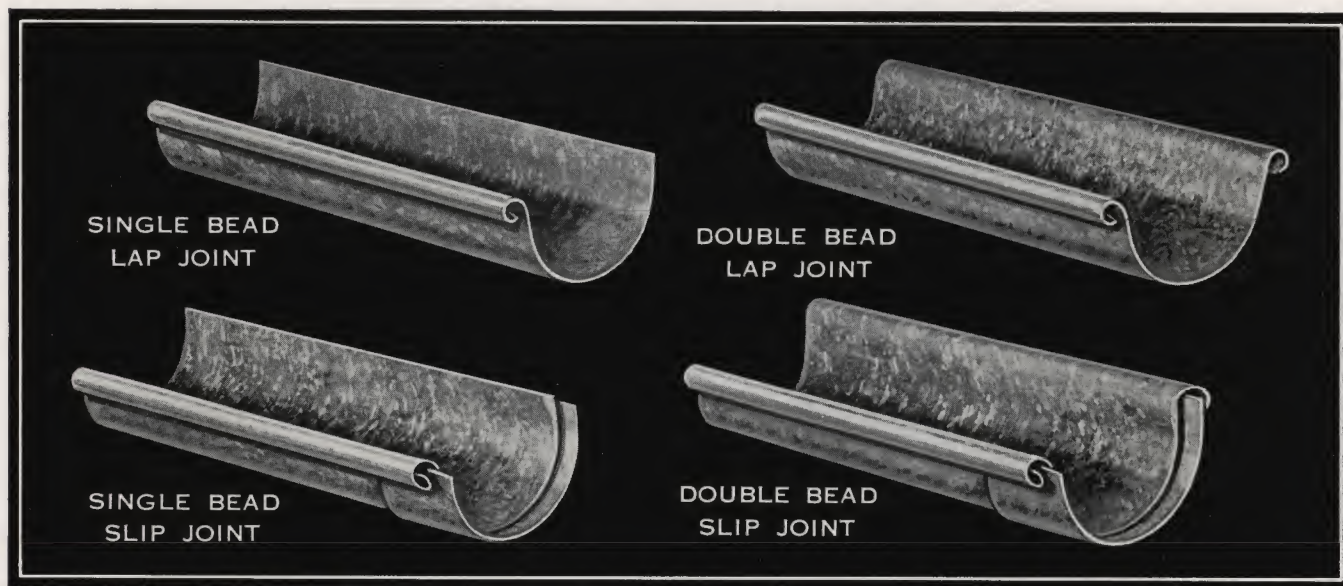
#### STANDARD LIST PRICES PER 100

Sizes	2 in.	3 in.	4 in.	5 in.	6 in.
Dreadnaught—Direct Drive Wood. . . . .	\$ 3.50	\$ 5.50	\$ 7.00	\$12.00	\$.....
Plain Sickie Hooks { Wood. . . . .	4.00	6.00	7.00	12.00	16.00
{ Brick. . . . .	4.50	7.00	9.00	13.00	18.00
Plain Hinged Hooks { Wood. . . . .	9.00	12.00	16.00	.....	.....
{ Brick. . . . .	11.00	13.00	16.00	27.00	.....
Corrugated Hinged Hooks { Wood. . . . .	11.00	13.00	20.00	24.00	32.00
{ Brick. . . . .	11.00	14.00	20.00	25.00	34.00
Wired Round Hooks { Wood. . . . .	.....	7.00	9.00	.....	.....
{ Wood. . . . .	6.00	8.00	10.00	15.00	.....
Wired Square Hooks { Brick. . . . .	7.00	10.00	12.00	16.00	.....





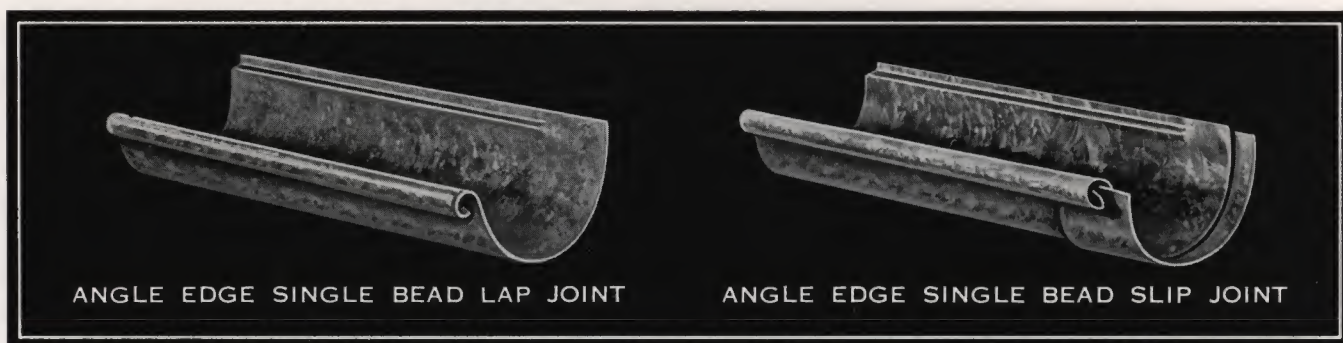
## Wheeling Eaves Trough



**M**ADE of pure zinc coated (Galvanized) COP-R-LOY or Open Hearth Steel, also 10- and 40-pound Terne Coated COP-R-LOY and 16-ounce

Copper. Sizes of 26 gauge and lighter up to 6 inches have  $\frac{1}{2}$ -inch bead. Larger sizes are made with  $\frac{5}{8}$ -inch bead. All sizes heavier than 26 gauge have  $\frac{3}{4}$ -inch bead. All sizes made in 10-foot lengths. Packed 250 feet in strong crates insuring protection in transit.

## ANGLE EDGE EAVES TROUGH



**A**NGLE EDGE EAVES TROUGH is a rigid single bead trough of both lap and slip joint construction. The Angle Edge stiffens the trough to a degree that a 10-foot section can

be held horizontally from one end without sagging or bending out of shape. The Angle Edge flattens out at end of joint for use of regular trimmings.





## Wheeling Eaves Trough

For long life and economical service the use of Zinc Coated COP-R-LOY Eaves Trough, which insures maximum resistance to atmospheric corrosion, is recommended

### STANDARD LIST PRICES PER FOOT

#### SINGLE BEAD, LAP JOINT

Sizes		3½ in.	4 in.	5 in.	6 in.	7 in.	8 in.
28-gauge	{ Zinc Coated COP-R-LOY or Steel, 10- or 40-pound Terne Coated COP-R-LOY }	\$0.17	\$0.19	\$0.20	\$0.25	\$0.32	\$0.42
26-gauge		.21	.23	.24	.31	.40	.50
24-gauge		...	.33	.34	.40	.50	.60
16-ounce Copper		.26	.32	.36	.44	...	...

#### DOUBLE BEAD, LAP JOINT

28-gauge	{ Zinc Coated COP-R-LOY or Steel, 10- or 40-pound Terne Coated COP-R-LOY }	.23	.25	.27	.33	.39	.50
26-gauge		.28	.30	.32	.40	.50	.60
24-gauge		...	.44	.45	.55	.60	.70
16-ounce Copper		.32	.40	.45	.55	...	...

#### SINGLE BEAD, SLIP JOINT

28-gauge	{ Zinc Coated COP-R-LOY or Steel, 10- or 40-pound Terne Coated COP-R-LOY }	.19	.21	.22	.27	.34	.44
26-gauge		.23	.25	.26	.33	.42	.52
24-gauge		...	.35	.36	.42	.52	.62
16-ounce Copper		.29	.35	.39	.47	...	...

#### DOUBLE BEAD, SLIP JOINT

28-gauge	{ Zinc Coated COP-R-LOY or Steel, 10- or 40-pound Terne Coated COP-R-LOY }	.25	.27	.29	.35	.41	.52
26-gauge		.30	.32	.34	.42	.52	.62
24-gauge		...	.46	.47	.57	.62	.72
16-ounce Copper		.35	.43	.48	.58	...	...

### EXTRA HEAVY EAVES TROUGH

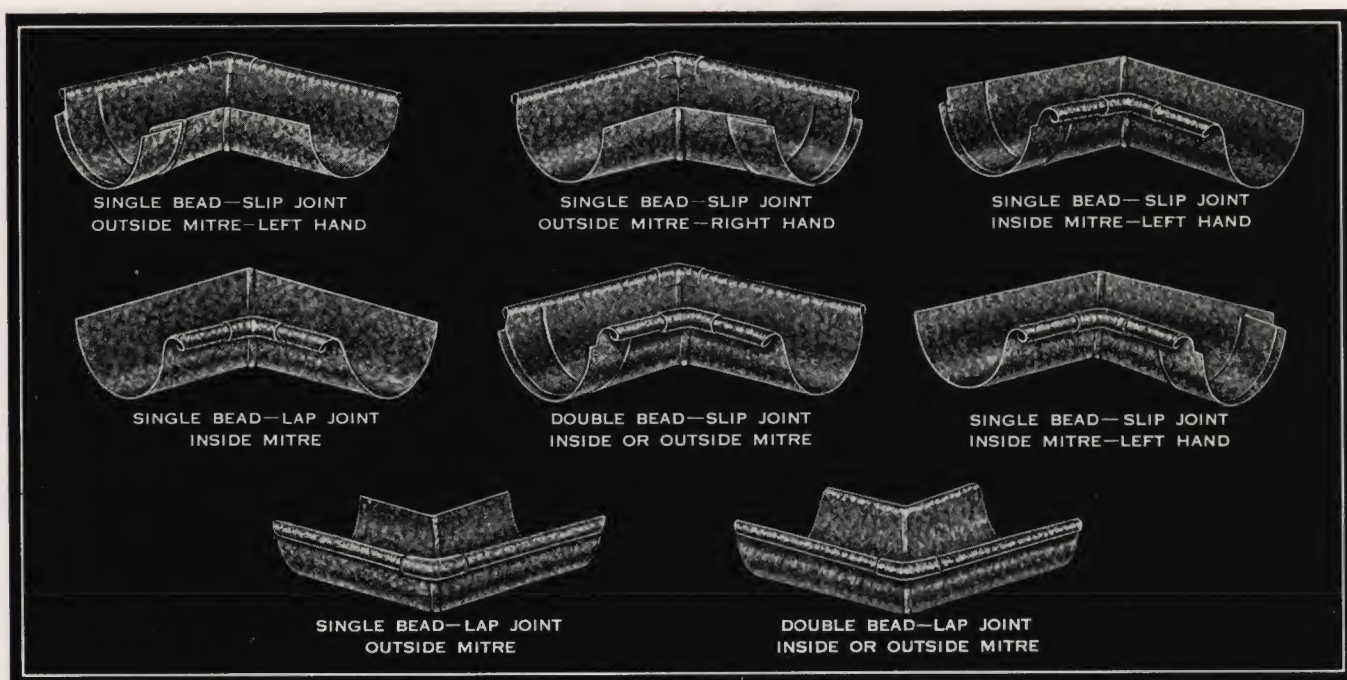
Having facilities for fabricating heavy materials Eaves Trough in 22 and 20 gauges with ¾-inch bead may be supplied. These heavy

gauges are particularly desirable in the larger sizes for factories and commercial buildings. Net prices will be quoted on request.





## Wheeling Eaves Trough Fittings



## EAVES TROUGH MITRES

Made from COP-R-LOY or Open Hearth Steel Terne Coated Sheets and Hand Dipped in Pure Molten Zinc after forming

### STANDARD LIST PRICES PER DOZEN

Sizes	Lap Joint Single Bead	Lap Joint Double Bead	Slip Joint Single Bead	Slip Joint Double Bead
3½-inch. . . . .	\$ 7.50	\$10.50	\$10.50	\$13.50
4- inch. . . . .	8.00	11.00	11.00	14.00
5- inch. . . . .	9.25	12.25	12.25	15.25
6- inch. . . . .	11.75	14.75	14.75	17.75
7- inch. . . . .	15.75	18.75	18.75	21.75

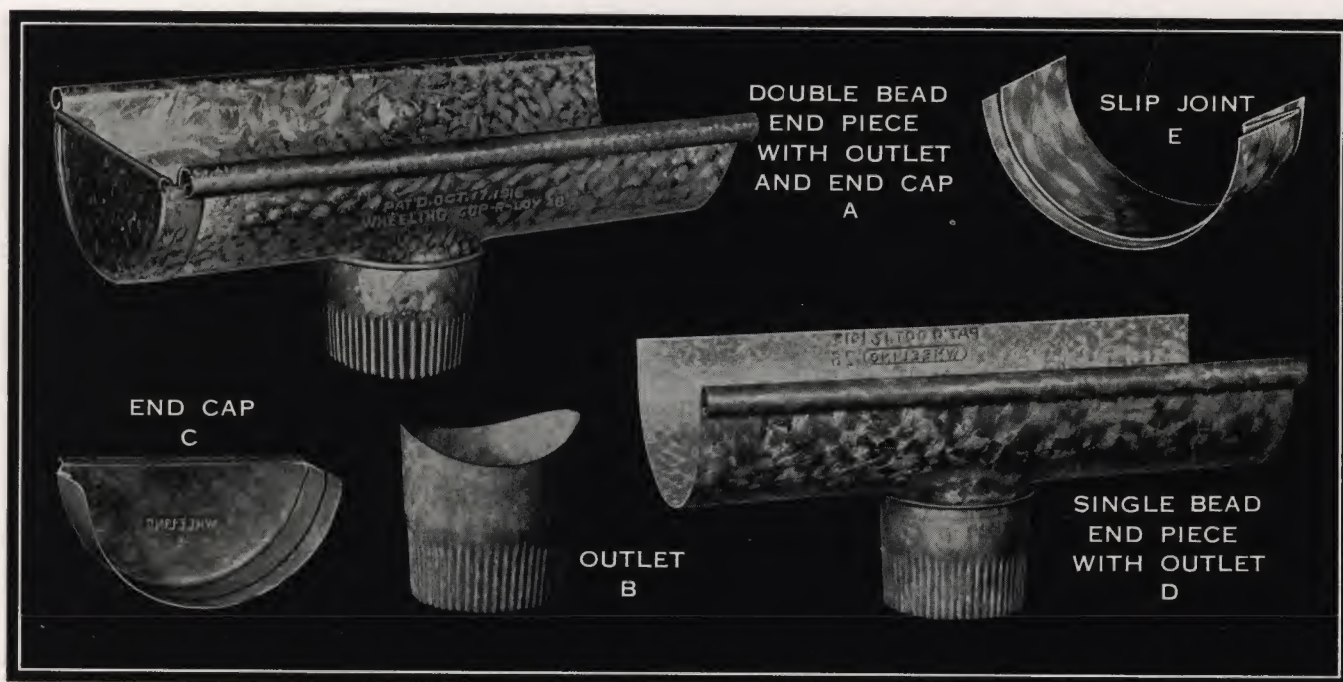
### 16-ounce Copper

3½-inch. . . . .	\$10.80	\$13.80	\$13.80	\$16.80
4- inch. . . . .	11.40	14.40	14.40	17.40
5- inch. . . . .	13.20	16.20	16.20	19.20
6- inch. . . . .	20.04	23.04	23.04	26.04
7- inch. . . . .	25.80	28.80	28.80	31.80

When ordering mitres, specify either slip or lap joint, for inner or outer corner and if slip joint, whether right or left hand



# Wheeling Eaves Trough Fittings



## END PIECES WITH OUTLETS "A"

The outlet is double seamed to the trough and the trough stamped to the contour of the outlet. The newest and best style.

### Standard List Prices per Dozen

Sizes		Single Bead	Double Bead
3½-inch.	COP-R-LOY or Open Hearth Steel, Pure Zinc Coated also COP-R-LOY Terne Coated.	\$5.20	\$5.95
4-inch.		5.60	6.25
5-inch.		6.25	6.90
6-inch.		7.30	8.00
7-inch.		8.40	9.35

Sizes		Single Bead	Double Bead
3½-inch.	16-ounce Copper	\$16.20	\$19.20
4-inch.		17.40	20.40
5-inch.		19.20	22.20
6-inch.		22.20	25.20
7-inch.		27.00	30.00

## END PIECES WITH OUTLETS "D"

### Standard List Prices per Dozen

Sizes		Single Bead	Double Bead
3½-inch.	COP-R-LOY or Open Hearth Steel, Pure Zinc Coated also COP-R-LOY Terne Coated.	\$3.40	\$4.15
4-inch.		3.70	4.35
5-inch.		4.25	4.90
6-inch.		4.90	5.60
7-inch.		5.50	6.45

Sizes		Single Bead	Double Bead
3½-inch.	16-ounce Copper	\$11.40	\$14.40
4-inch.		12.60	15.60
5-inch.		13.20	16.20
6-inch.		15.60	18.60
7-inch.		19.20	22.20

## SLIP END CAPS "C"

The end section is double seamed into the folded semi-circle, making a tight lock without soldering. The slip section fits the trough perfectly and holds securely.

### Standard List Prices per Dozen

Sizes			
3½-inch.	COP-R-LOY or Open Hearth Steel, Pure Zinc Coated also COP-R-LOY Terne Coated.	\$1.80	\$4.80
4-inch.		1.90	4.80
5-inch.		2.00	6.00
6-inch.		2.40	6.60
7-inch.		2.90	7.80

## DROP OUTLETS "B"

### Standard List Prices per Dozen

Sizes			
2-inch.	COP-R-LOY or Open Hearth Steel, Pure Zinc Coated also COP-R-LOY Terne Coated.	\$1.20	\$3.60
3-inch.		1.45	4.80
4-inch.		1.80	6.00
5-inch.		2.35	7.20
6-inch.		2.90	8.40

## SLIP JOINT CONNECTIONS "E"

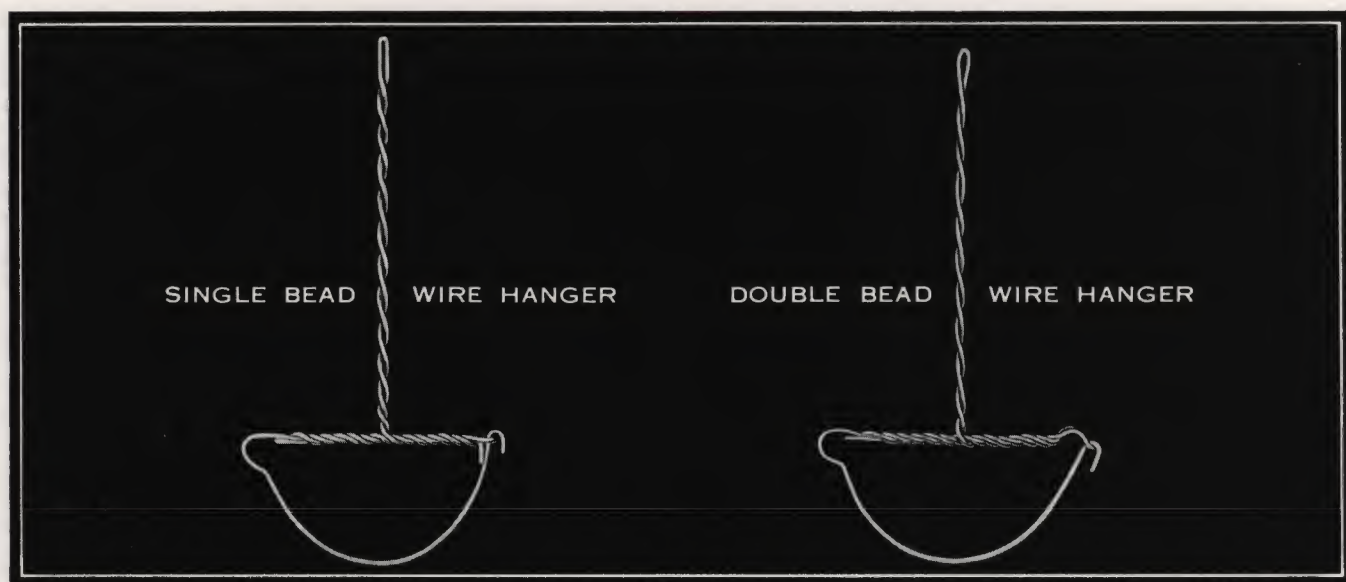
### Standard List Prices per Dozen

Sizes			
3½-inch.	COP-R-LOY or Open Hearth Steel, Pure Zinc Coated also COP-R-LOY Terne Coated.	\$1.15	\$4.80
4-inch.		1.25	4.80
5-inch.		1.35	6.00
6-inch.		1.70	6.60
7-inch.		1.90	7.80





## Wheeling Eaves Trough Hangers



### WIRE HANGERS

Made of best grade Wheeling Zinc Coated Wire. Carefully inspected before packing.

Two wires in stem, three in cross bar, and one in body

#### STANDARD LIST PRICES PER GROSS

Sizes	Single Bead	Double Bead
3½-inch. . . . .	\$2.75	\$3.00
4- inch. . . . .	2.75	3.00
5- inch. . . . .	3.00	3.25
6- inch. . . . .	3.50	3.75
7- inch. . . . .	4.00	4.25
8- inch. . . . .	4.50	4.75

All 9-inch shanks, add 25c per gross to list. Extra long  
11-inch shanks, add 50c per gross to list.

Shipments ordinarily made up of 7- and 9-inch shanks.  
Will pack all 9-inch or all 11-inch shanks if so ordered.



### GUTTER SPIKES

Gutter Spikes are Zinc Coated; Oval Head, and Chisel Point.  
Stock size 8 x ¼ inch. Can furnish other sizes in keg lots  
on special order. See page 173



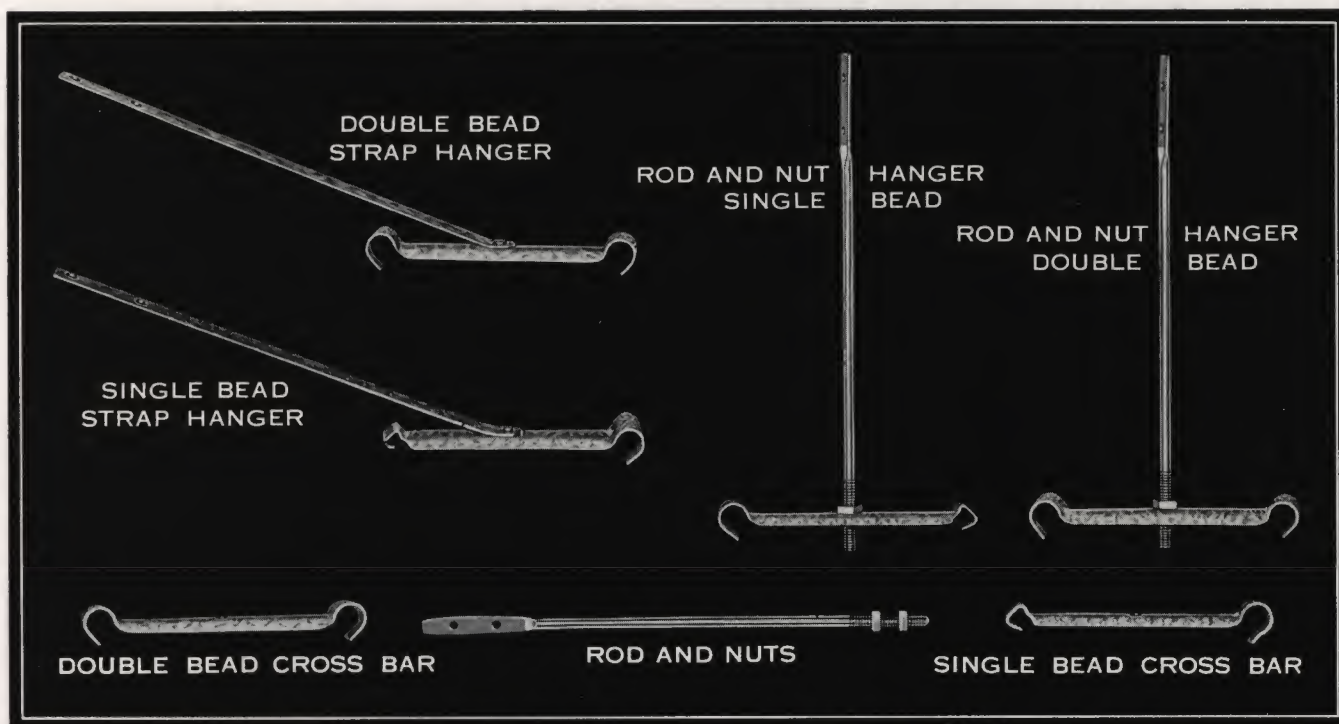
### GUTTER SPIKE FERRULES

Made from Zinc Coated Sheets and supplied to fit the  
top width of various sizes of roof gutter as ordered





## Wheeling Eaves Trough Hangers



## STEEL HANGERS

Straps and Cross Bars are Zinc Coated; Rod and Nuts are Black Steel

### STANDARD LIST PRICES PER GROSS

Sizes	3½ in.	4 in.	5 in.	6 in.	7 in.	8 in.
Hangers with Straps riveted on Cross Bars—Single Bead . . . . .	\$7.90	\$ 8.50	\$ 9.10	\$10.20	\$12.40	\$16.90
Hangers with Straps riveted on Cross Bars—Double Bead. . . . .	8.50	9.10	9.70	10.80	13.00	17.50
Hangers with Rods and Nuts, complete—Single Bead. . . . .	9.60	10.10	10.70	11.80	14.10	18.60
Hangers with Rods and Nuts, complete—Double Bead . . . . .	10.20	10.70	11.30	12.40	14.70	19.20
Cross Bars only—Single Bead . . . . .	6.10	6.80	7.30	8.30	10.70	14.10
Cross Bars only—Double Bead. . . . .	6.70	7.40	7.90	8.90	11.30	14.70

These prices apply on assorted lengths (7-, 9- and 11-inch) straps and rods.

### RODS AND NUTS

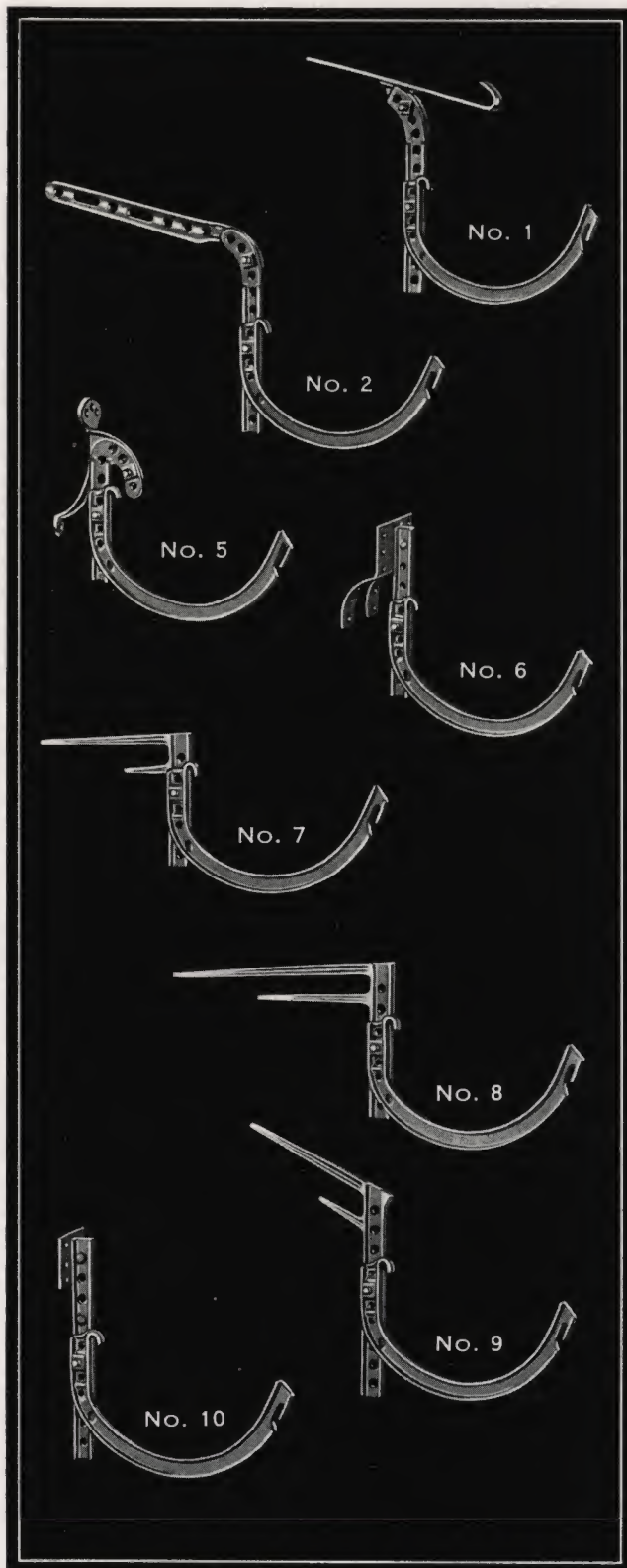
List prices of assorted rods and nuts only \$4.50 per gross. If rods are ordered all 11 inches long the list price per gross is \$1.50 above assorted list, and this "extra" also applies to complete hanger.

### LONG STRAPS

If strap hangers are ordered with straps all 11 inches long the list price per gross is 75c higher than for hangers with straps of assorted lengths.



## Wheeling Shanks and Circles



### PLAIN BLACK OR TINNED

**No. 1** is clamped direct to the metal roof, needing only one bolt through the iron. A valuable article for awnings and corrugated roofs.

**No. 2** is nailed to the side of rafter in any desired angle. The hinge allows great variation in the pitch.

**No. 5** will span over various shaped mouldings, and is easily bent larger or smaller before nailing to eave. For large projection of the shingle use No. 1 stems with this plate.

**No. 6** is made especially to nail against O.G. Mouldings. The two stays are made to fit in the cove and can be bent to suit variation.

**No. 7** is made to drive from 3 to 4 inches square into the cornice. The lower prong forms a brace for the upper, and makes it very strong and firm.

**No. 8** is made to drive from 3 to 6 inches square into the cornice. This iron is intended for eaves where the shingles project far over the cornice.

**No. 9** is to drive with the pitch of the roof. Same length as No. 7. Suited for narrow moulded cornice.

**No. 10** is made to nail against square box cornices.



## Wheeling Shanks and Circles

### PLAIN BLACK OR TINNED

**No. 11** is for use where the rafter is exposed.  
The shank is nailed to the side of the rafter.

**No. 12** is made for  $\frac{1}{4}$  pitch to fasten under the shingles or slate. The holes on top of the shank are made beveling so that the nail can be driven at any point to enter the shank. No. 15 is made for flat roofs; No. 25 for steep roofs,  $\frac{1}{2}$  pitch.

**No. 13** drives with the pitch of the roof. Same length as No. 8.

**No. 16** is fastened under the shingles; the hinge and circle both adjust to every  $\frac{1}{8}$  inch.

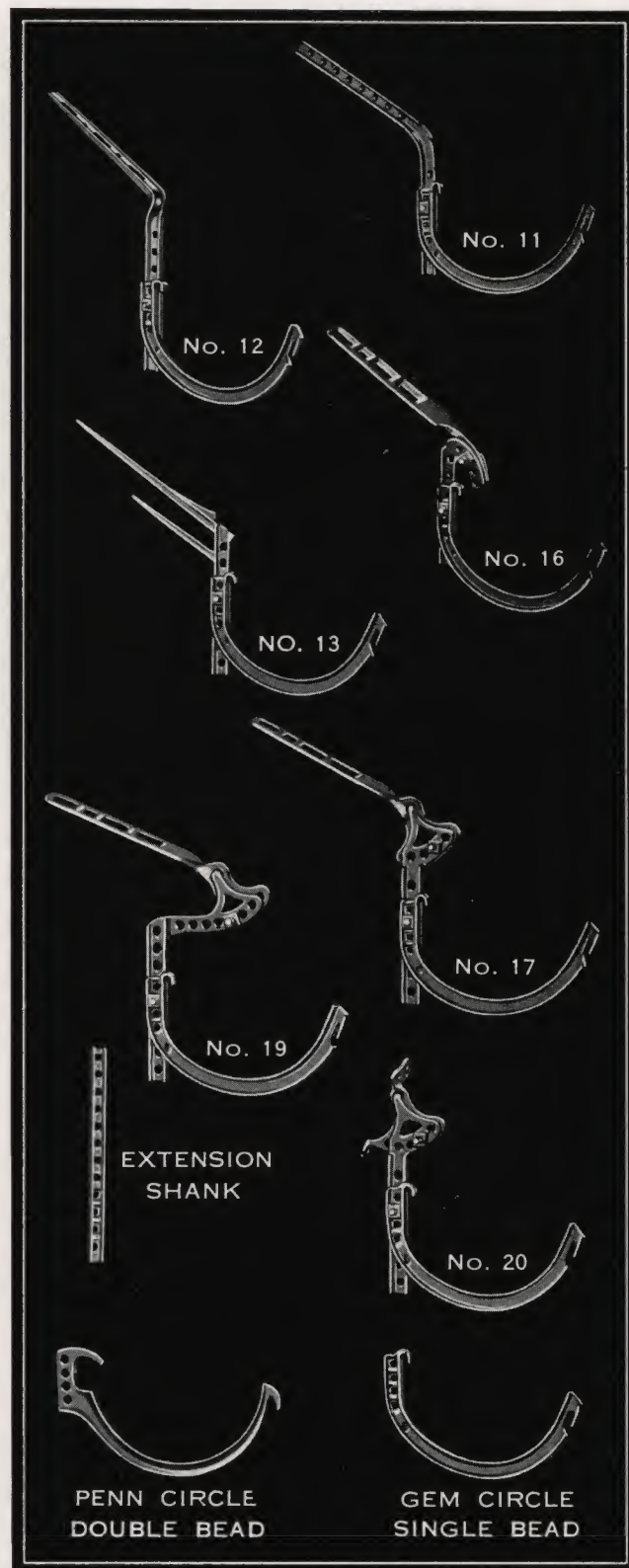
**No. 17** is fastened under the shingles. The hinge and circle both adjust to every  $\frac{1}{8}$  inch.

**No. 19** is used either on top or under the shingles and is suited for short projections of the shingles over the mouldings.

**No. 20** is hinged for any pitch; can be nailed or screwed to various shaped mouldings at any angle desired.

### EXTENSION SHANK

This shank is 6 inches long and allows for 5 inches extension.







## Wheeling Shanks and Circles

### LIST PRICES PER 100

	Complete Plain Black	Complete Tinned	Plate only Black	Stem only Black	Plate only Tinned	Stem only Tinned
No. 1 . . . . .	\$15.00	\$18.00	\$9.00	\$6.00	\$10.80	\$7.20
No. 2 . . . . .	12.00	14.40	6.00	6.00	7.20	7.20
No. 5 . . . . .	12.00	14.40	5.00	7.00	6.00	8.40
No. 6 Assorted Lengths . . . . .	9.00	10.80	....	....	....	....
No. 6 All Long . . . . .	10.00	12.00	....	....	....	....
No. 7 Assorted Lengths . . . . .	7.00	8.40	....	....	....	....
No. 7 All Long . . . . .	10.00	12.00	....	....	....	....
No. 8 Assorted Lengths . . . . .	10.00	12.00	....	....	....	....
No. 9 Assorted Lengths . . . . .	7.00	8.40	....	....	....	....
No. 10 Assorted Lengths . . . . .	7.00	8.40	....	....	....	....
No. 10 All Long . . . . .	8.00	9.60	....	....	....	....
No. 11 Assorted Lengths . . . . .	8.00	9.60	....	....	....	....
No. 11 All Long . . . . .	9.00	10.80	....	....	....	....
No. 12 Assorted Lengths . . . . .	8.50	10.20	....	....	....	....
No. 12 All Long . . . . .	9.50	11.40	....	....	....	....
No. 13 . . . . .	10.00	12.00	....	....	....	....
No. 15 Assorted Lengths . . . . .	8.50	10.20	....	....	....	....
No. 15 All Long . . . . .	9.50	11.40	....	....	....	....
No. 16 . . . . .	15.00	18.00	8.00	7.00	9.60	8.40
No. 17 . . . . .	15.00	18.00	9.00	6.00	10.80	7.20
No. 19 . . . . .	18.00	21.60	9.00	9.00	10.80	10.80
No. 20 . . . . .	10.00	12.00	4.00	6.00	4.80	7.20
No. 25 Assorted Lengths . . . . .	8.50	10.20	....	....	....	....
No. 25 All Long . . . . .	9.50	11.40	....	....	....	....
Extension Shanks . . . . .	6.00	7.20	....	....	....	....

### CIRCLES PER 100

With Bolts and Straps

GEM CIRCLES S. B.			PENN CIRCLES D. B.		
Sizes	Black	Tinned	Sizes	Black	Tinned
3½-inch. . . . .	\$ 6.50	\$ 7.80	3½-inch. . . . .	\$ 7.50	\$ 9.00
4- inch. . . . .	6.50	7.80	4- inch. . . . .	7.50	9.00
5- inch. . . . .	7.50	9.00	5- inch. . . . .	8.50	10.20
6- inch. . . . .	10.00	12.00	6- inch. . . . .	11.00	13.20
7- inch. . . . .	15.00	18.00	7- inch. . . . .	15.00	18.00
8- inch. . . . .	18.00	21.60	8- inch. . . . .	18.00	21.60

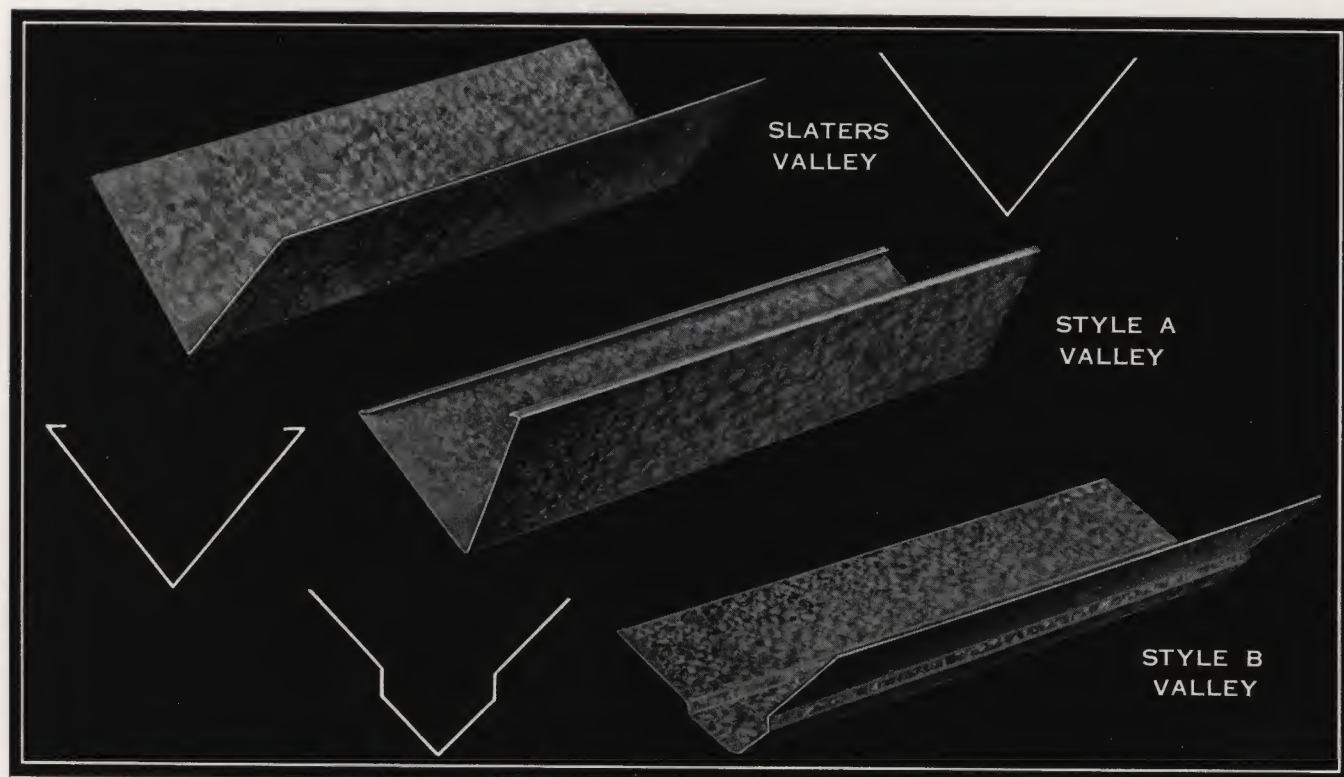
Orders for shanks are filled with assorted lengths, and all orders, the lengths of which are specified other than the regular assortment usually furnished, will command an extra.  
See list for all long shanks.

Some numbers (not listed all long) are not made to furnish in long lengths, and when circumstances require them longer than those regularly furnished, lengthen them by using extension shanks. See illustration and list prices.





## Wheeling Formed Valleys



**M**ADE of pure zinc coated (Galvanized) COP-R-LOY or Open Hearth Steel, also 10- and 40-pound Terne Coated COP-R-LOY or 16-ounce Copper. For long life and economical service the use of Zinc Coated COP-R-LOY which insures maximum resistance to corrosion is recommended.

Wheeling Formed Valleys are more economical than valleys that are formed on the job. Their construction is always uniform and dependable and their application very simple.

Furnished in 28, 26 and 24 gauges; in girths from 10 to 20 inches, and in 10-foot lengths.

### STANDARD LIST PRICES PER FOOT

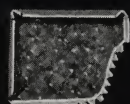
Girths	10 in.	12 in.	14 in.	15 in.	18 in.	20 in.
28-gauge. . . . .	.20	.25	.32	.35	.42	.48
26-gauge. . . . .	.24	.31	.40	.43	.50	.58
24-gauge. . . . .	.34	.40	.50	.53	.60	.68

Net prices of Copper Formed Valleys furnished on application



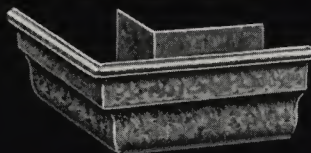


# Wheeling Ogee, Box and Roof Gutters



END CAP

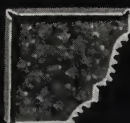
OUTSIDE MITRE



INSIDE MITRE

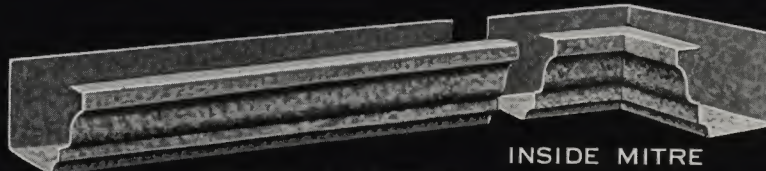
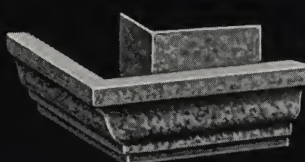
STYLE G GUTTER

GIRTH .....	10"	12"	15"	18"	20"	22"
WIDTH TOP .....	3"	3½"	5½"	6½"	7"	8"
WIDTH BOTTOM .....	1¼"	2"	3½"	4"	3½"	4½"
HEIGHT FRONT } HEIGHT BACK }	3½"	4"	4½"	5½"	6½"	7"
SIZE BEAD .....	½"	½"	½"	¾"	¾"	¾"



END CAP

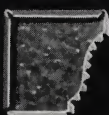
OUTSIDE MITRE



INSIDE MITRE

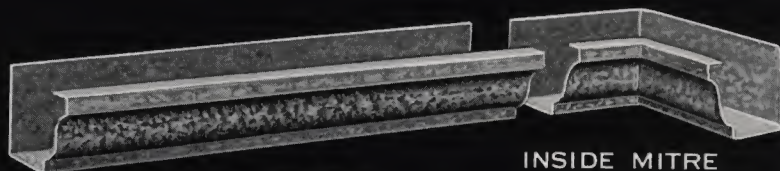
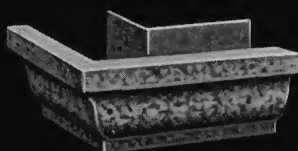
STYLE J GUTTER

GIRTH .....	14"	15"	16"	18"	20"	22"	24"
WIDTH TOP .....	5"	5¾"	6"	6½"	7"	8½"	9"
WIDTH BOTTOM .....	2¾"	3"	3½"	3¾"	4¼"	5"	5"
HEIGHT FRONT } HEIGHT BACK }	4¾"	5¼"	5½"	6¼"	6¾"	7½"	8"



END CAP

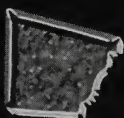
OUTSIDE MITRE



INSIDE MITRE

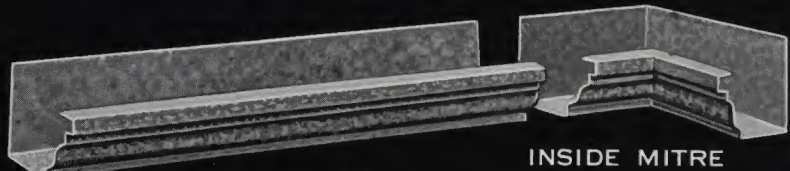
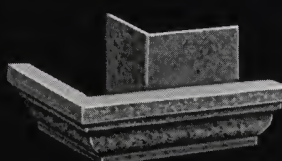
STYLE L GUTTER

GIRTH .....	10"	12"	14"
WIDTH TOP .....	4½"	5"	5½"
WIDTH BOTTOM .....	2¾"	3¼"	3½"
HEIGHT FRONT ...	3¾"	3¾"	4½"
HEIGHT BACK .....	3½"	4"	4½"



END CAP

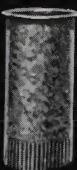
OUTSIDE MITRE



INSIDE MITRE

STYLE M GUTTER

GIRTH .....	11"	12"	14"
WIDTH TOP .....	4"	5"	6"
WIDTH BOTTOM .....	2"	3"	4"
HEIGHT FRONT .....	3¾"	3¾"	3¾"
HEIGHT BACK .....	3¾"	3¾"	4¾"



ROUND  
OUTLET

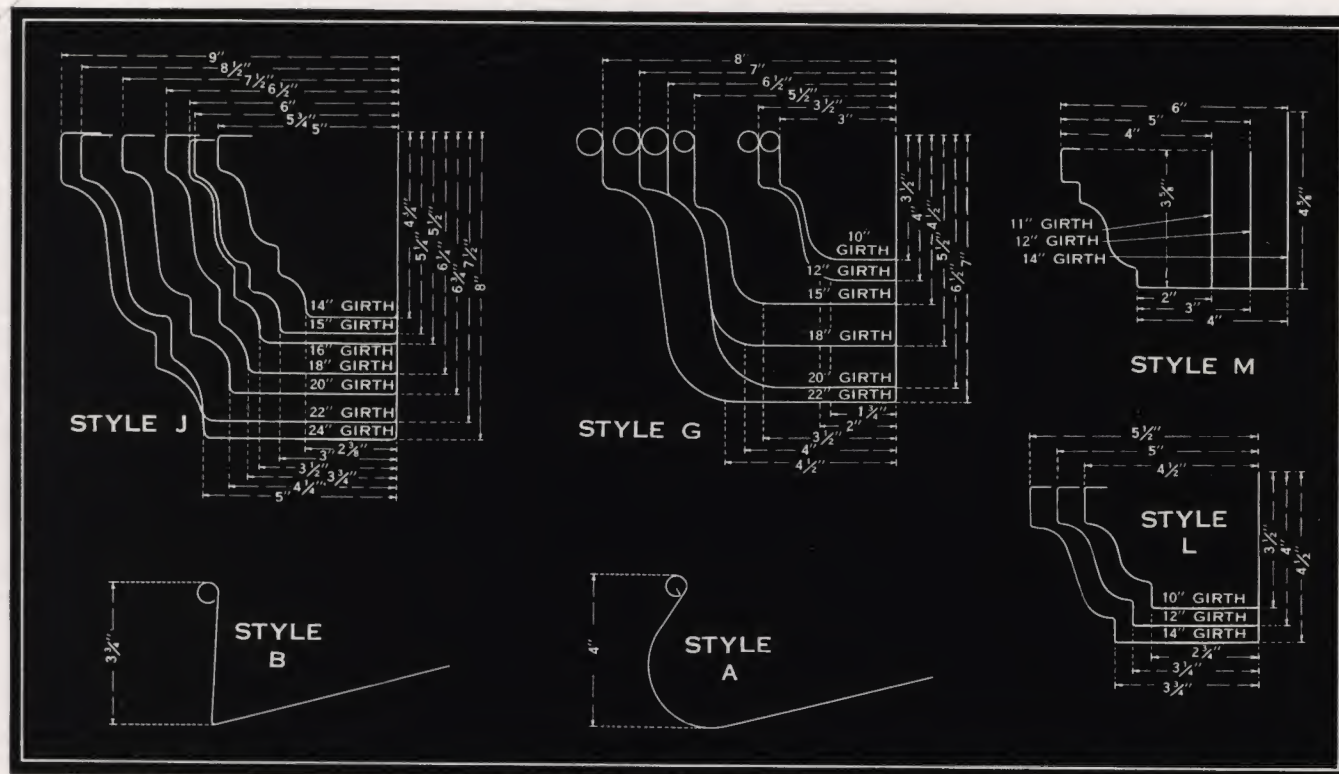
SQUARE  
OUTLET







## Wheeling Ogee, Box and Roof Gutters



**M**ADE of Zinc Coated (Galvanized) COP-R-LOY or Open Hearth Steel, 10- and 40-pound Terne Coated COP-R-LOY or 16-ounce Copper. For long life and economical service the use of zinc coated COP-R-LOY is recommended.

Wheeling Ogee, Box and Roof Gutters are accurate to dimensions and styles; are of uniform high quality and always dependable.

Furnished in 28-, 26- and 24-gauges, 10-foot lengths.

Regular girths in styles G and J have back and front of the same height. Style L has back  $\frac{3}{8}$  inch higher than front. Style M in 14-inch girth has back 1 inch higher than front. Style M in 11- and 12-inch girths has back same height as front.

Gutters in any special style and in heavier gauges also supplied. Submit drawings with detailed measurements for prices on special gutters.

Crated 250 feet to the crate.

### STANDARD LIST PRICES STYLES A, B, G, J, L AND M GUTTERS—PER FOOT

Girths	10 in.	12 in.	14 in.	15 in.	16 in.	18 in.	20 in.	22 in.	24 in.
28-gauge	.20	.25	.32	.35	.38	.42	.48	.60	.65
26-gauge	.24	.31	.40	.43	.46	.50	.58	.65	.70
24-gauge	.34	.40	.50	.53	.56	.60	.68	.75	.80

Intermediate girths take list price of next larger girth.

### GUTTER MITRES—EACH—STYLES A, B, G, J, L AND M

Girths	10 in.	12 in.	14 in.	15 in.	16 in.	18 in.	20 in.	22 in.	24 in.
28-gauge	.80	1.00	1.28	1.40	1.52	1.68	1.92	2.40	2.60
26-gauge	.96	1.24	1.60	1.72	1.84	2.00	2.32	2.60	2.80
24-gauge	1.36	1.60	2.00	2.12	2.24	2.40	2.72	3.00	3.20

Intermediate girths take list price of next larger girth.

### GUTTER END CAPS

All Styles and Girths	Each
28-gauge	\$0.50
26-gauge	.60
24-gauge	.70

### GUTTER OUTLETS

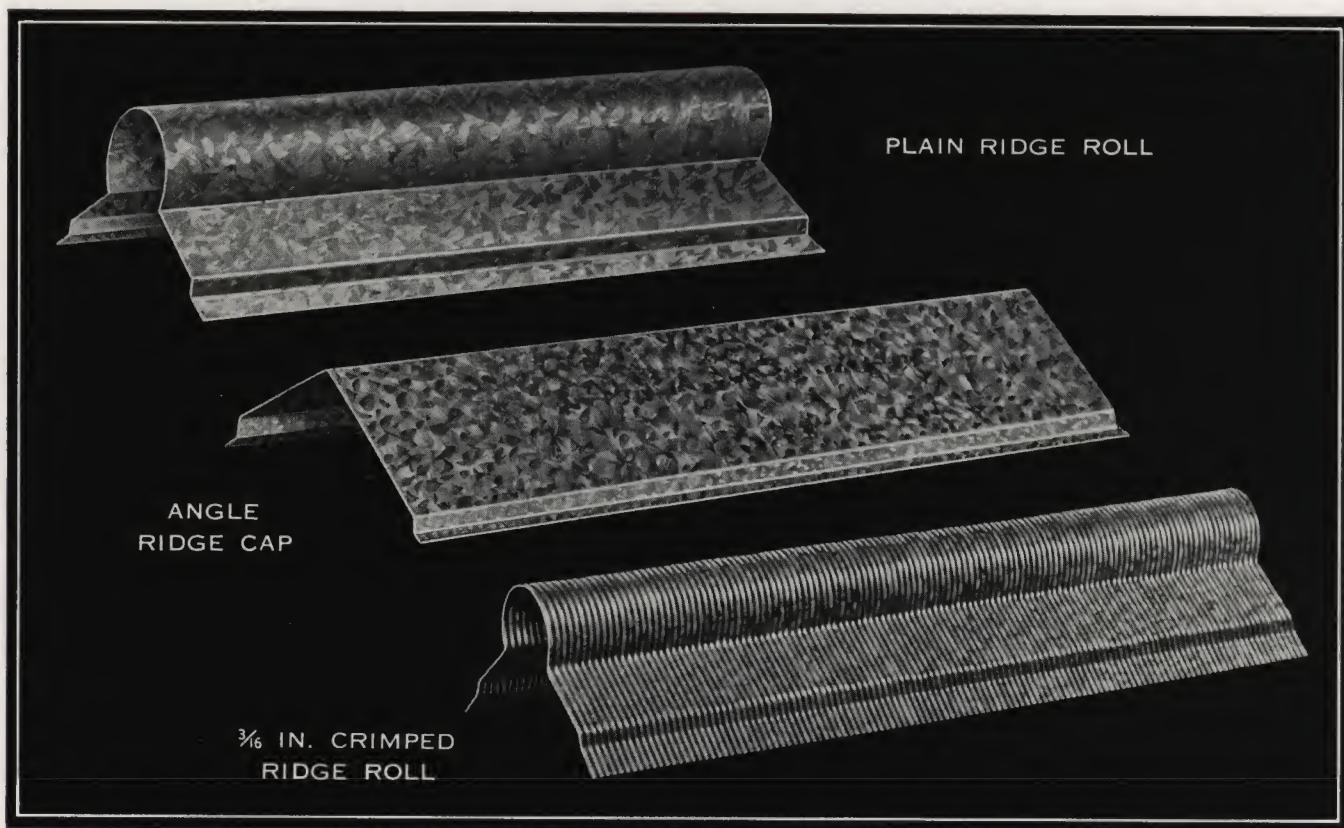
Round or Square—All Sizes	Each
28-gauge	\$0.50
26-gauge	.60
24-gauge	.70

Net prices on 16-ounce Copper Gutters will be quoted on request





## Wheeling Ridge Roll



### PLAIN RIDGE ROLL AND ANGLE RIDGE CAP

With Nailing Flange

**M**ADE from zinc coated (Galvanized) COP-R-LOY or Open Hearth Steel; also from Terne Coated COP-R-LOY or 16-ounce Copper. For long life and

economical service the use of zinc coated COP-R-LOY, which insures maximum resistance to atmospheric corrosion, is recommended.

#### PLAIN RIDGE ROLL

##### STANDARD LIST PRICES PER FOOT

Sizes of Roll. . . . .	1¼ in.	1½ in.	2 in.	2½ in.	3 in.
Widths of Apron. . . . .	2 in.	2 in.	2½ in.	3½ in.	4 in.
Girths . . . . .	7 in.	8 in.	10 in.	12 in.	14 in.
29-gauge . . . . .	.15	.17	.19	.24	.30
28-gauge . . . . .	.16	.18	.20	.25	.32
26-gauge . . . . .	.21	.23	.24	.31	.40
24-gauge . . . . .	...	.32	.34	.40	.50
16-ounce Copper. . . . .	.26	.32	.36	.45	.63

#### ANGLE RIDGE CAP

##### STANDARD LIST PRICES PER FOOT

Widths of Apron. . . . .	3½ in.	4 in.	5 in.	6 in.	7 in.
Girths. . . . .	7 in.	8 in.	10 in.	12 in.	14 in.
29-gauge. . . . .	.15	.17	.19	.24	.30
28-gauge. . . . .	.16	.18	.20	.25	.30
26-gauge. . . . .	.21	.23	.24	.31	.40
24-gauge. . . . .	...	.32	.34	.40	.50
16-ounce Copper. . . . .	.26	.32	.36	.45	.63

### SPECIAL 3/16-INCH CRIMPED RIDGE ROLL

2½-inch Roll, 12-inch Girth

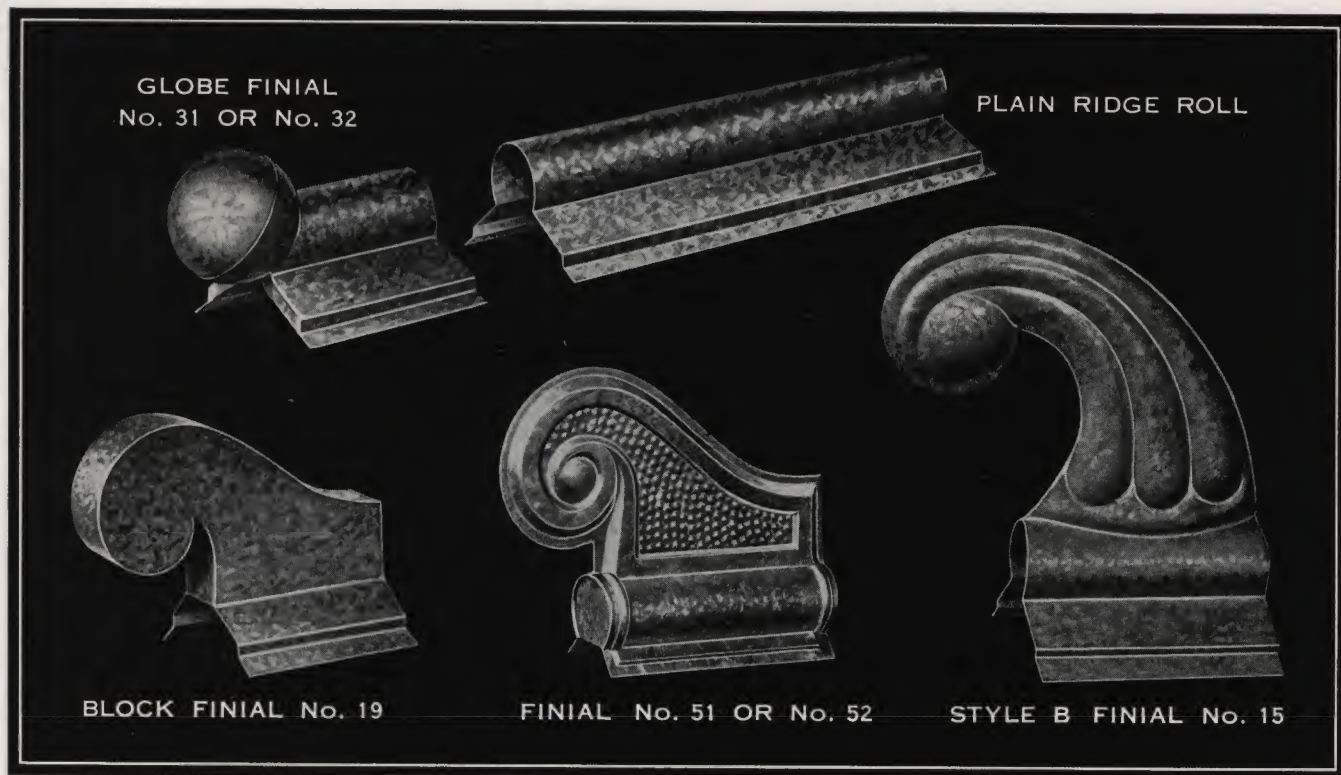
Made from COP-R-LOY pure zinc coated (Galvanized). The special crimped sheet expands under the mallet, making it possible to tap down the edges to fit the con-

tour of the various types of roofing without tearing the metal. For this reason this Ridge Roll is easily applied and makes a neatly finished job.





## Wheeling Ridge Roll Finials



### RIDGE ROLL FINIALS

Made from COP-R-LOY or Open Hearth Steel, pure zinc coated (Galvanized)

Adapted to use with Ridge Roll on opposite page

#### GLOBE FINIALS Nos. 31 and 32

No. 31 for  $1\frac{1}{2}$ -inch Roll, 8-inch Girth.

No. 32 for 2-inch Roll, 10-inch Girth.

	No. 31	No. 32
Diameter Globe . . . . .	3 inches	$3\frac{1}{2}$ inches
Length overall . . . . .	7 inches	$7\frac{1}{2}$ inches
Height overall . . . . .	$4\frac{1}{2}$ inches	$4\frac{3}{4}$ inches

#### FINIAL No. 15

Made for  $1\frac{1}{2}$ -inch Roll, 8-inch Girth, and 2-inch Roll, 10-inch Girth.

Length overall . . . . .	$10\frac{1}{2}$ inches
Height overall . . . . .	$10\frac{1}{2}$ inches

#### BLOCK FINIAL No. 19

Made for  $1\frac{1}{4}$ -inch Roll, 7-inch Girth.

$1\frac{1}{2}$ -inch Roll, 8-inch Girth.

2-inch Roll, 10-inch Girth.

Length overall . . . . .	$8\frac{1}{2}$ inches
Height overall . . . . .	$7\frac{3}{4}$ inches

#### FINIALS Nos. 51 and 52

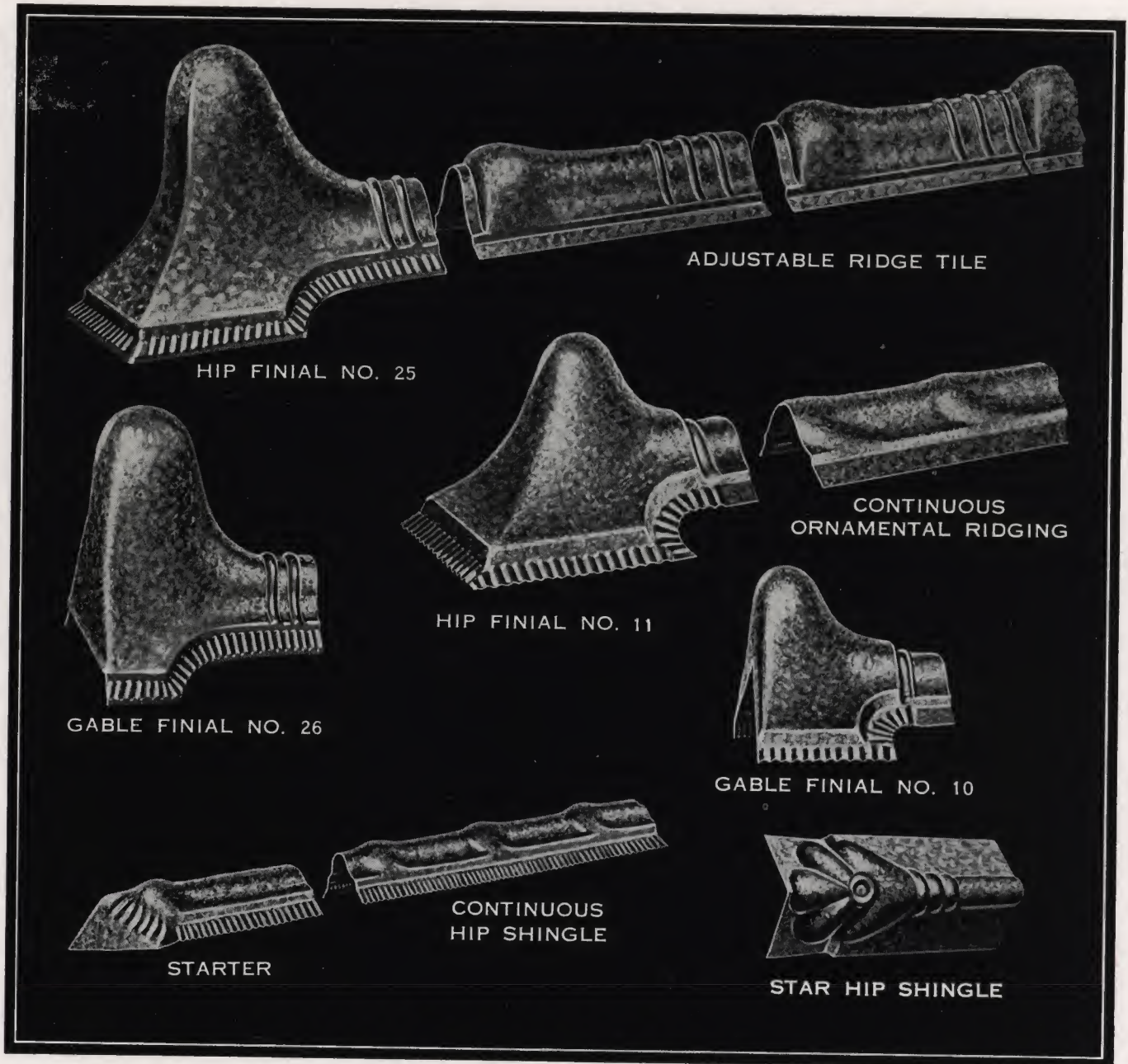
No. 51 for  $1\frac{1}{2}$ -inch Roll, 8-inch Girth.

No. 52 for 2-inch Roll, 10-inch Girth.

Length overall . . . . .	10 inches
Height overall . . . . .	$8\frac{1}{2}$ inches



## Wheeling Ornamental Roof Trimmings



### ADJUSTABLE RIDGE TILE

Made from pure zinc coated (Galvanized) COP-R-LOY or Open Hearth Steel, or COP-R-LOY Terne Coated, Painted.

Girth. . . . . 10 inches  
Length . . . . . 14 inches  
Lays to weather . . . . . 12 inches

### RIDGE TILE HIP FINIAL No. 25

Made from pure zinc coated (Galvanized) COP-R-LOY or Open Hearth Steel, or COP-R-LOY Terne Coated, Painted.

Girth. . . . . 25 inches  
Height . . . . . 12 inches  
Lays to weather . . . . 6½ x 11 inches





## Wheeling Ornamental Roof Trimmings

### RIDGE TILE GABLE FINIAL No. 26

Made from pure zinc coated (Galvanized)  
COP-R-LOY or Open Hearth Steel, or  
COP-R-LOY Terne Coated, Painted.

Girth. . . . . 25 inches  
Height . . . . . 12 inches  
Lays to weather . . .  $6\frac{1}{2}$  x  $7\frac{1}{2}$  inches

### ORNAMENTAL RIDGING

Made from pure zinc coated (Galvanized)  
COP-R-LOY or Open Hearth Steel.

Gauges . . . . . 26 and lighter  
Girths. . . . . 8 inches  
Length . . . . . 10 feet

Wired 250 feet to the bundle.

### ORNAMENTAL RIDGING FINIAL No. 10 FOR GABLE

Made from pure zinc coated (Galvanized)  
COP-R-LOY or Open Hearth Steel.

Height. . . . .  $7\frac{1}{2}$  inches  
Length. . . . .  $5\frac{5}{8}$  inches  
Width . . . . .  $8\frac{1}{4}$  inches  
Lays to weather. . . . .  $5\frac{1}{4}$  inches  
Projection . . . . .  $3\frac{1}{2}$  inches

### ORNAMENTAL RIDGING FINIAL No. 11 FOR HIP

Made from pure zinc coated (Galvanized)  
COP-R-LOY or Open Hearth Steel.

Height . . . . .  $7\frac{1}{2}$  inches  
Length . . . . .  $10\frac{1}{4}$  inches  
Width. . . . .  $8\frac{1}{4}$  inches  
Lays to weather . . . . .  $5\frac{1}{4}$  inches  
Projection. . . . .  $3\frac{1}{2}$  inches

### CONTINUOUS HIP SHINGLES

Made from pure zinc coated (Galvanized).  
COP-R-LOY or Open Hearth Steel.

Gauges. . . . . 26 and lighter  
Girths . . . . . 4, 5 and 6 inches  
Lengths. . . . . 5 or 10 feet

Wired 250 feet to the bundle.

### HIP SHINGLE STARTER

Made from pure zinc coated (Galvanized)  
COP-R-LOY or Open Hearth Steel.

Girths . . . . . 5 and 6 inches  
Length. . . . . 9 inches

Packed 100 per box.

### STAR HIP SHINGLES

Made from pure zinc coated (Galvanized) COP-R-LOY or Open  
Hearth Steel, Painted COP-R-LOY or Open Hearth Steel  
and Painted COP-R-LOY Terne Coated

Sizes . . . . . 4 x 7, 4 x 9, and 4 x 12 inches  
Packed 500 per box.



## Wheeling Steel Ceilings



**M**ORE important than any other improvement in the steel ceiling industry has been the perfection of re-pressed bead joints and die-cut nail holes. These features are largely responsible for the popularity of Wheeling Steel Ceilings as they permit easier and more perfect installations, and facilitate positive, accurate, close fitting joints.

The lapping beads are of sufficient size and exactness to permit perfect alignment and to prevent any but perfect fit of the plates into position. They eliminate difficulty of maintaining a true line with furring strips. Re-pressing the beads of each plate with hard tool steel dies insures this precision which ef-

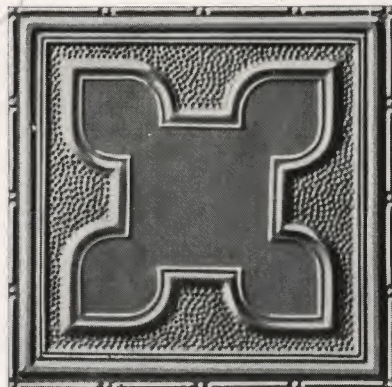
fects much saving in time with resultant economy. Not only are the beads re-pressed but at each nailing point the metal is blanked out making it unnecessary to drive nails through metal. Precision here is also an advantage much appreciated by the erector because the nail holes of one plate overlap another and register perfectly, permitting rapid nailing to furring.

On the following pages will be found a number of popular designs in Wheeling Steel Ceiling plates that are typical of the extensive line. Wheeling Steel Ceilings are suitable for every ceiling and sidewall requirement and may be erected over old ceilings.





## Wheeling Steel Ceilings



**No. 4769 Plate** 24 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4125 Flush Back Panel**

24 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4765 Plate** 24 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4213 Plate** 24 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4267 Plate** 24 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4211 Plate** 24 In. Multiple

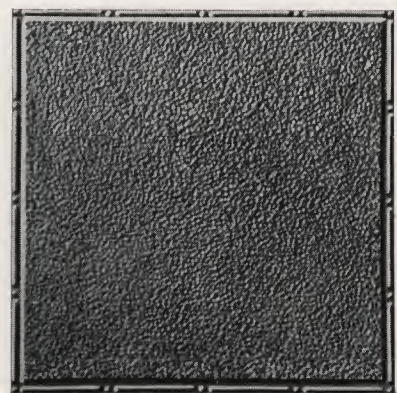
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4790 Flush Back Panel**

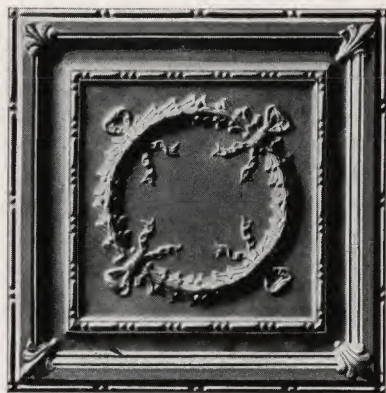
$\frac{3}{4}$  In. Drop 24 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4813 Plate** 24 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4212 Panel** 24 In. Multiple

$\frac{3}{4}$  In. Deep

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



## Wheeling Steel Ceilings



**No. 4121 Flush Back Panel**

24 In. Multiple  
24 x 48 in. \$8.50 per 100 sq. ft.  
24 x 24 in. 9.00 per 100 sq. ft.



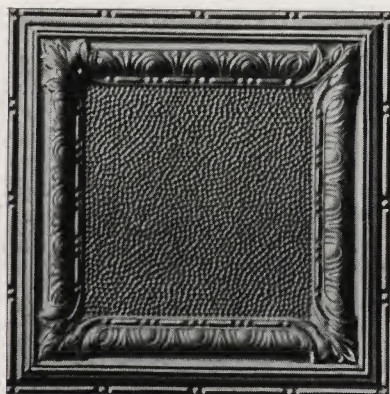
**No. 4700 Flush Back Panel**

24 In. Multiple  
24 x 48 in. \$8.50 per 100 sq. ft.  
24 x 24 in. 9.00 per 100 sq. ft.



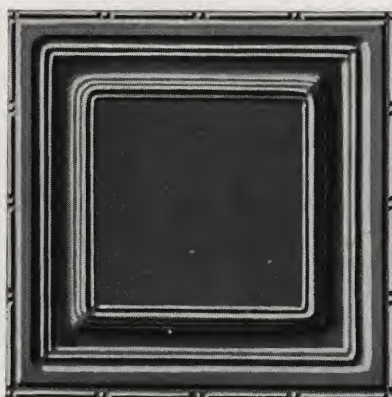
**No. 4890 Panel** 24 In. Multiple

1 3/8 In. Deep  
24 x 48 in. \$9.00 per 100 sq. ft.  
24 x 24 in. 9.50 per 100 sq. ft.



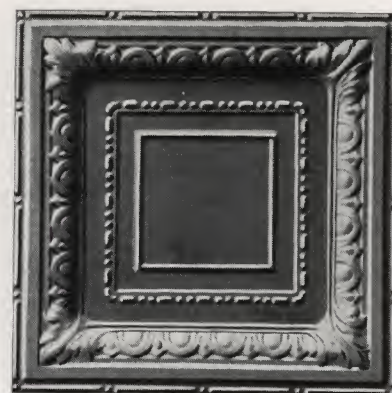
**No. 4799 Flush Back Panel**

3/4 In. Drop 24 In. Multiple  
24 x 48 in. \$8.00  
24 x 96 in. 8.00  
24 x 24 in. 8.50



**No. 4150 Panel** 24 In. Multiple

5/8 In. Deep  
24 x 48 in. \$8.00  
24 x 24 in. 8.50



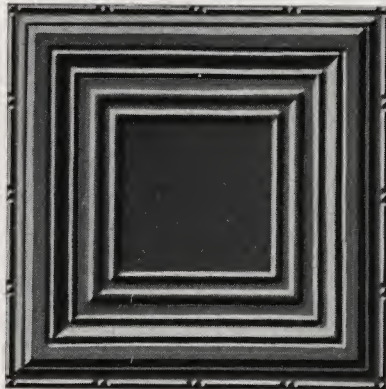
**No. 4872 Panel** 24 In. Multiple

1 3/8 In. Deep  
24 x 48 in. \$ 9.50 per 100 sq. ft.  
24 x 24 in. 10.00 per 100 sq. ft.



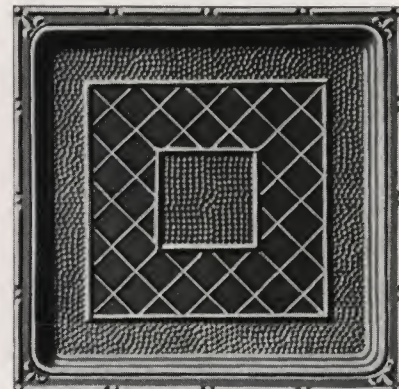
**No. 4351 Panel** 24 In. Multiple

1 In. Deep  
24 x 48 in. \$8.50  
24 x 24 in. 9.00



**No. 4701 Flush Back Panel**

5/8 In. Drop 24 In. Multiple  
24 x 48 in. \$8.00  
24 x 96 in. 8.00  
24 x 24 in. 8.50



**No. 4228 Panel** 24 In. Multiple

3/4 In. Deep  
24 x 48 in. \$8.00  
24 x 24 in. 8.50



## Wheeling Steel Ceilings



**No. 4442 Plate** 12 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4581 Plate** 12 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4268 Plate** 12 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4174 Plate** 12 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



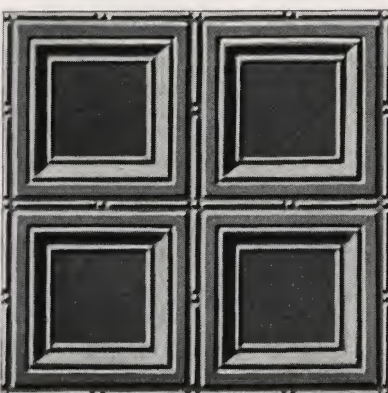
**No. 4602 Plate** 12 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



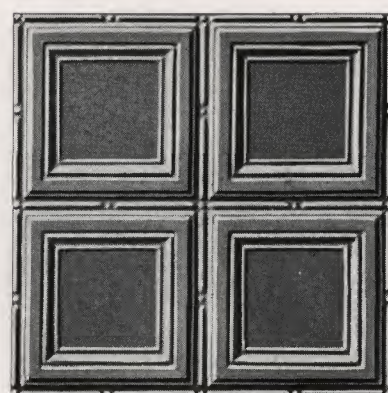
**No. 4175 Plate** 12 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4173 Panel** 12 In. Multiple  
1/2 In. Deep  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4641 Panel** 24 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.  
12 x 12 in. 9.50 per 100 sq. ft.



**No. 4396 Flush Back Panel**  
12 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.

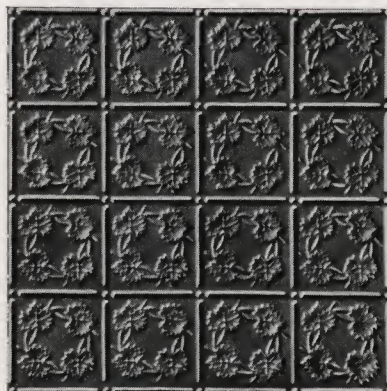


## Wheeling Steel Ceilings



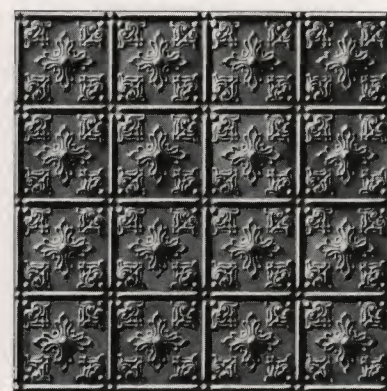
**No. 4184 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



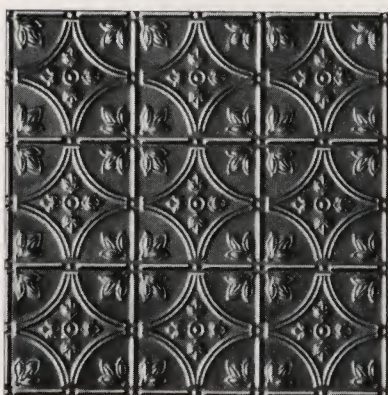
**No. 4177 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



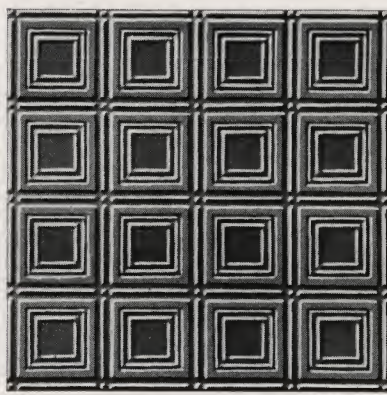
**No. 4119 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



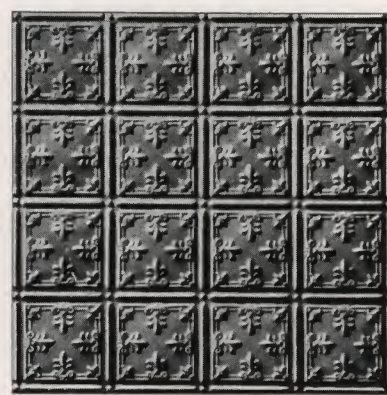
**No. 4008 Plate** 8 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



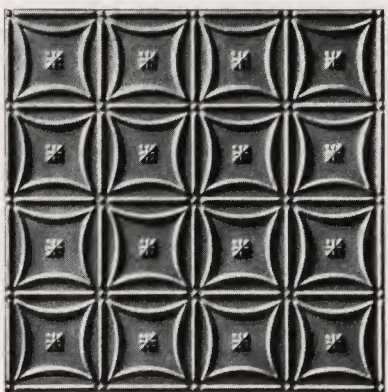
**No. 4395** Flush Back Panel

6 In. Multiple  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



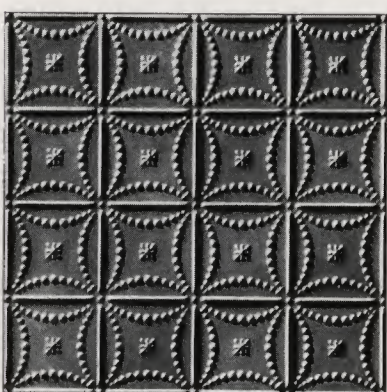
**No. 4161 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



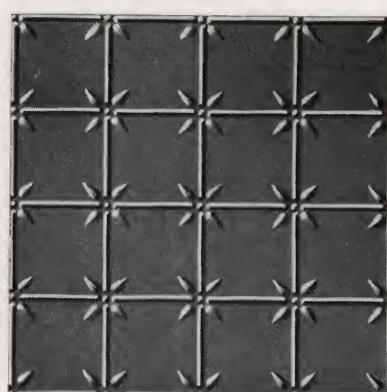
**No. 4116 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4115 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



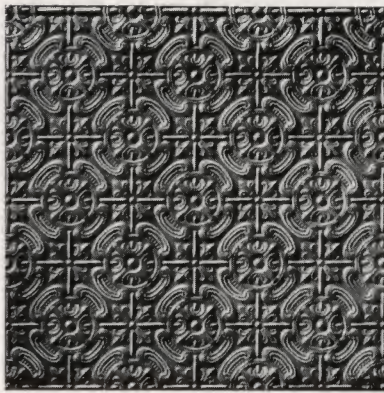
**No. 4142 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.





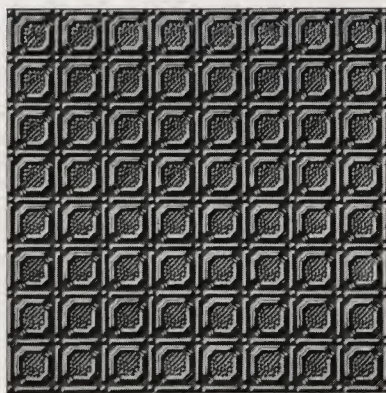
## Wheeling Steel Ceilings



**No. 4159 Plate** 4 In. Multiple

Suitable for use in homes

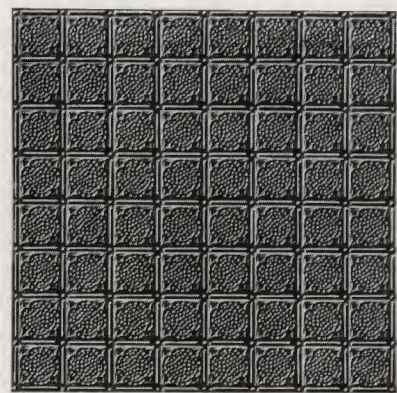
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 72 in. 8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4560 Plate** 3 In. Multiple

Suitable for use in homes

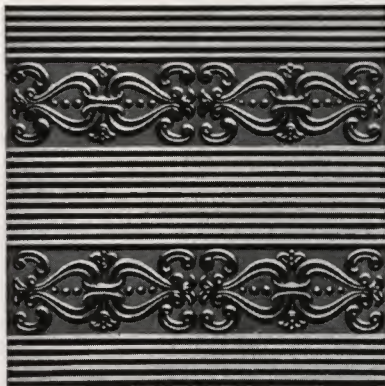
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4565 Plate** 3 In. Multiple

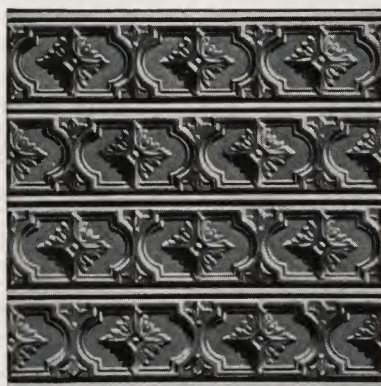
Suitable for use in homes

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



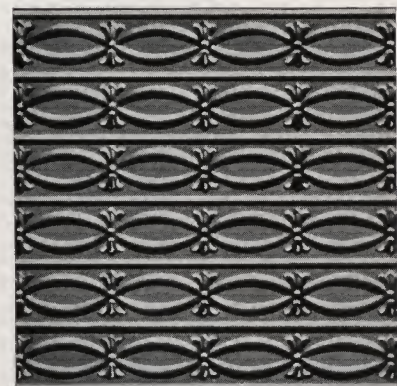
**No. 4670 Beaded Plate**

24 x 48 in. 24 x 96 in.  
\$7.50 per 100 sq. ft.



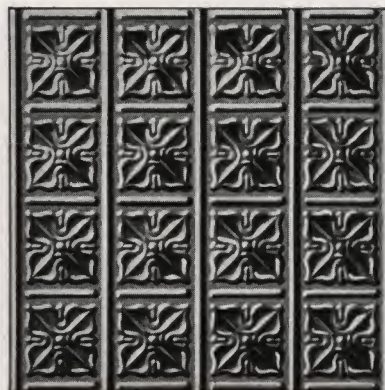
**No. 4676 Beaded Plate**

24 x 48 in. 24 x 96 in.  
\$7.50 per 100 sq. ft.



**No. 4682 Beaded Plate**

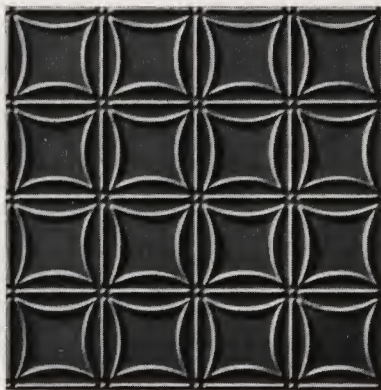
24 x 48 in. 24 x 96 in.  
\$7.50 per 100 sq. ft.



**No. 4669 Beaded Plate**

6 In. Multiple

24 x 48 in. 24 x 96 in.  
\$7.50 per 100 sq. ft.



**No. 4162 Plate** 6 In. Multiple

24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 96 in. 8.00 per 100 sq. ft.  
24 x 24 in. 8.50 per 100 sq. ft.



**No. 4392 Beaded Panel**

12 In. Multiple

24 x 48 in. 24 x 96 in.  
\$7.75 per 100 sq. ft.



## Wheeling Steel Ceilings



**No. 4397 Wall Plate** 24 x 48 In.  
24 x 72 In.  
24 x 96 In.  
\$8.00 per 100 sq. ft.



**No. 4420 Wall Plate** 24 x 48 In.  
24 x 72 In.  
24 x 96 In.  
\$8.00 per 100 sq. ft.



**No. 4388 Wainscot**  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 36 in. 8.00 per 100 sq. ft.  
12 x 48 in. 8.50 per 100 sq. ft.  
12 x 36 in. 8.50 per 100 sq. ft.

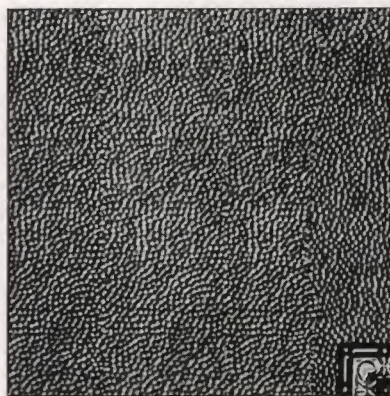


**No. 4635 Wainscot**  
24 x 48 in. \$8.00 per 100 sq. ft.  
24 x 36 in. 8.00 per 100 sq. ft.  
12 x 48 in. 8.50 per 100 sq. ft.  
12 x 36 in. 8.50 per 100 sq. ft.



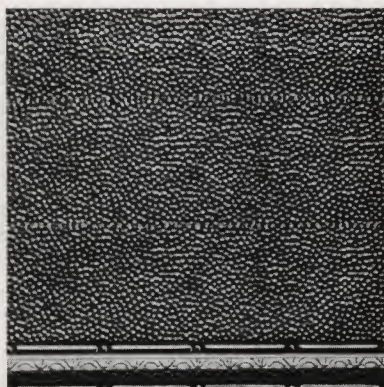


## Wheeling Steel Ceilings



**No. 4569 Corner**

24 x 24 in. \$8.50 per 100 sq. ft.  
18 x 18 in. 9.00 per 100 sq. ft.  
12 x 12 in. 9.50 per 100 sq. ft.



**No. 4571-A Molded Filler**

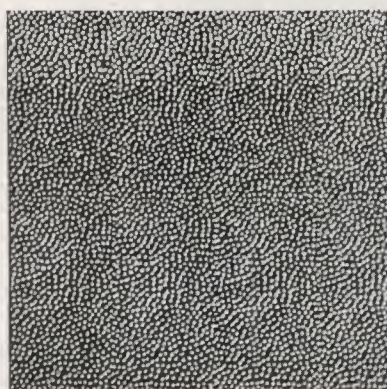
9, 12, 15, 18, 21, and 24 In. Wide  
Width of Mold  $2\frac{1}{2}$  In.  
\$8.00 per 100 sq. ft.



**No. 4570 Corner**

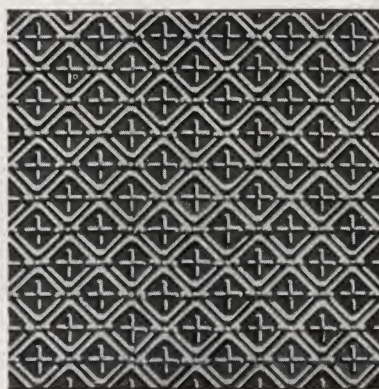
24 x 24 In.

\$8.50 per 100 sq. ft.



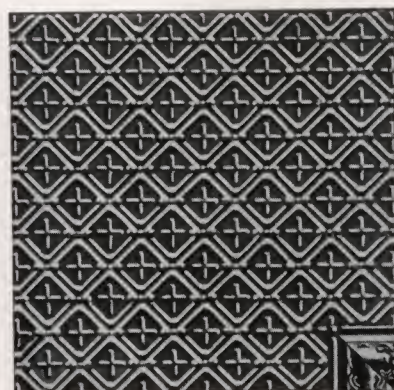
**No. 4806 Filler**

6, 9, 12, 15, 18, 21, and 24 In. Wide  
48 In. Long  
Also furnished 24 x 96 In.; 30 x 96 In.  
\$8.00 per 100 sq. ft.



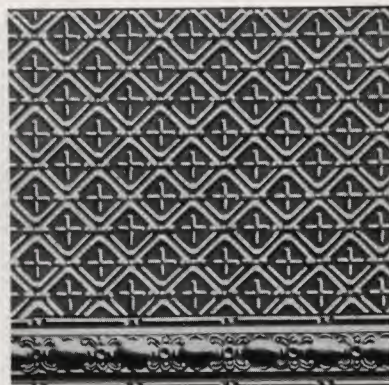
**No. 4263 Filler**

6, 9, 12, 15, 18, 21 and 24 In. Wide  
48 In. Long  
Also furnished 24 x 96 In.  
\$8.00 per 100 sq. ft.



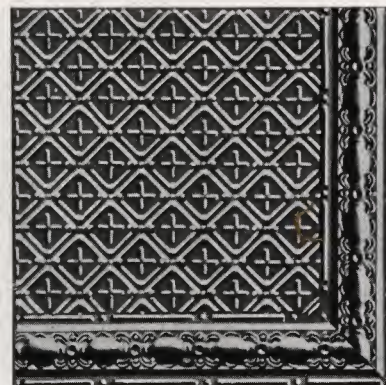
**No. 4575 Corner**

24 x 24 in. \$8.50 per 100 sq. ft.  
18 x 18 in. 9.00 per 100 sq. ft.  
12 x 12 in. 9.50 per 100 sq. ft.



**No. 4574 Molded Filler**

9, 12, 15, 18, 21, and 24 In. Wide  
Width of Mold 4 In. 48 In. Long  
\$8.00 per 100 sq. ft.



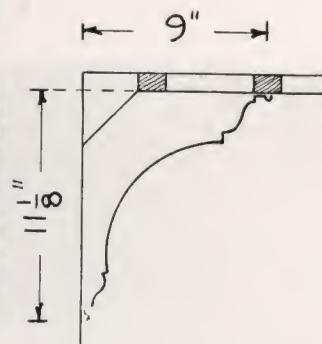
**No. 4576 Corner**

24 x 24 In.

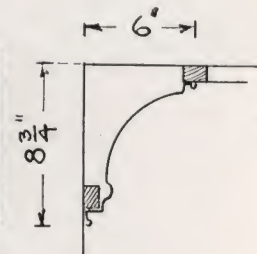
\$8.50 per 100 sq. ft.



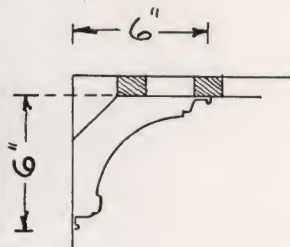
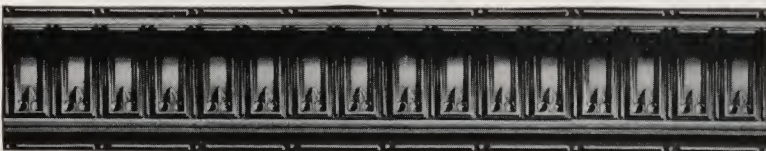
## Wheeling Steel Ceilings



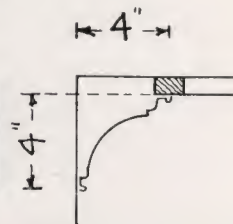
**No. 4221 Cornice**      9 In. Projection      11 <sup>1</sup>/<sub>8</sub> In. Deep      48 In. Long  
17 Cents per Lineal Foot (with Wood Brackets)



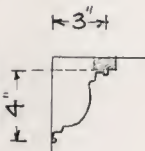
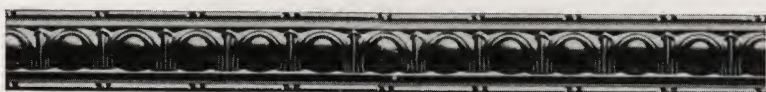
**No. 4817 Cornice**      6 In. Projection      8 <sup>3</sup>/<sub>4</sub> In. Deep      48 In. Long  
12 Cents per Lineal Foot (with Wood Brackets)  
11 Cents per Lineal Foot (without Wood Brackets)



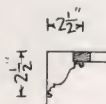
**No. 4818 Cornice**      6 In. Projection      6 In. Deep      48 In. Long  
11 Cents per Lineal Foot (with Wood Brackets)  
10 Cents per Lineal Foot (without Wood Brackets)



**No. 4820 Cornice**      4 In. Projection      4 In. Deep      48 In. Long  
7 <sup>1</sup>/<sub>2</sub> Cents per Lineal Foot (with Wood Brackets)  
7 Cents per Lineal Foot (without Wood Brackets)



**No. 4190 Cornice**      3 In. Projection      4 In. Deep      48 In. Long  
8 Cents per Lineal Foot (with Wood Brackets)  
7 Cents per Lineal Foot (without Wood Brackets)



**No. 4838 Cornice**      2 <sup>1</sup>/<sub>2</sub> In. Projection      2 <sup>1</sup>/<sub>2</sub> In. Deep      48 In. Long  
5 Cents per Lineal Foot (No Brackets or Mitres Furnished)





## Wheeling Nested Stove Pipe

**F**OR nearly two score years the name Wheeling has been synonymous with all that is best in stove pipe. Improvements that have come in later years have invariably been due to Wheeling experience and resources to the end that modern stove pipe is always associated with the name Wheeling. Leading in type, quality of material, and finish, Wheeling has also pioneered in the packaging of stove pipe which has been a boon to the distributor

### SUPER-BLUE QUALITY

This exclusive Wheeling product has a wonderfully rich, uniform color, an exceptionally smooth finish and great durability. Its distinctive appearance and lasting qualities are the result of a Wheeling process that produces extraordinary results.

Made from open hearth steel of the highest quality, the sheets are improved and refined by special heat treatment and by a rolling process conducted by workmen skilled in producing Super-Blue Sheets.

The final rolling on special hardened steel rolls, grinds and polishes the metal to an unusually smooth and lasting finish. The physical structure of the base metal is thus made more dense and it takes on a uniformly rich blue tone.

While it costs very little more than ordinary stove pipe, Wheeling Super-Blue will aid materially in the increase of stove pipe sales and profits.

### UNIFORM COLOR QUALITY

This designation covers the standard quality of Wheeling Stove Pipe, a highly satisfactory product which has developed a demand over a long period of years making Wheeling Stove Pipe production one of the largest in America.

Wheeling Uniform Blue Stove Pipe manufacture starts with a careful selection of open hearth steel stock specially prepared for stove pipe purposes and it possesses a uniform and satisfactory color and finish, with which dealers have long been familiar.

### PACKED IN STEEL CASKS

Everything is done to assure delivery of Wheeling Stove Pipe to your customers in the same good condition in which it leaves the factories.

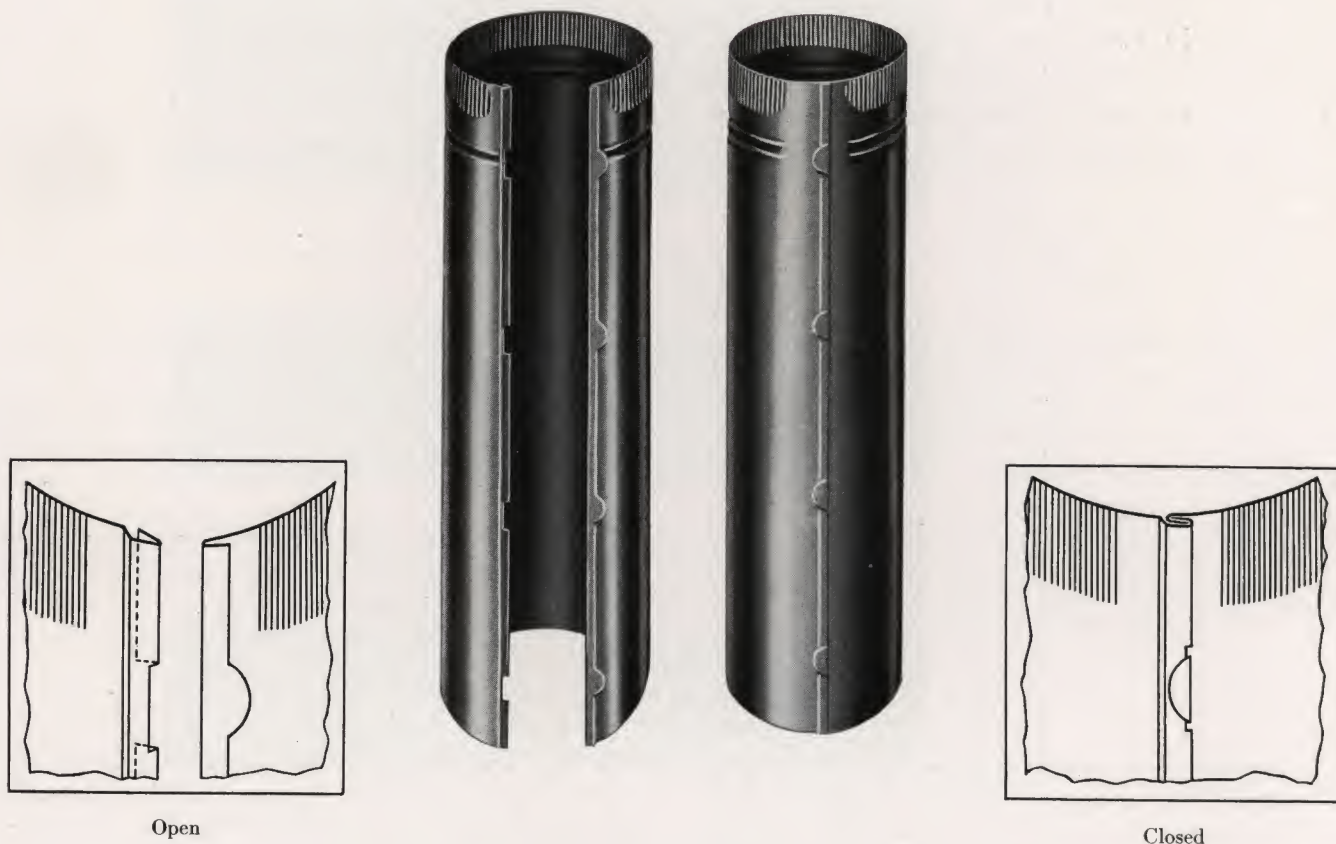
The illustration shows the steel casks in which all Wheeling Stove Pipe is packed for shipment. These casks are made of stiff sheet steel with one



steel end and one wood end. The contents are effectively protected against moisture and damage. Note manner in which pipe is nested to prevent mashing of the locks. You will find that Wheeling Stove Pipe is always attractive looking and always in the best condition for resale.



## Wheeling Nested Stove Pipe



## CRESCENT LOCK STOVE PIPE

Reg. U. S. Patent Office

**T**HIS is a simple and practical locking device that makes a perfectly rigid joint. The two edges of the joint are brought together with the edge bearing the four crescent shaped tongues underneath. These tongues are then pushed through the slots in the outer edge and flattened against it, thus locking the seam securely at four points.

A joint of Crescent Lock stove pipe can be cut in two and it still retains two tongues in each half joint. This stove pipe is made from Super-Blue sheets, described on page 107, in

27- and 28-gauges only. Also made from Uniform Blue or Zinc Coated sheets in all gauges from 26 to 30. Super-Blue and Uniform Blue are specially coated to prevent rust.

Sizes 3, 4, 4½, 5, 5½, 6, and 7 inches. Regular joints are 24 inches long.

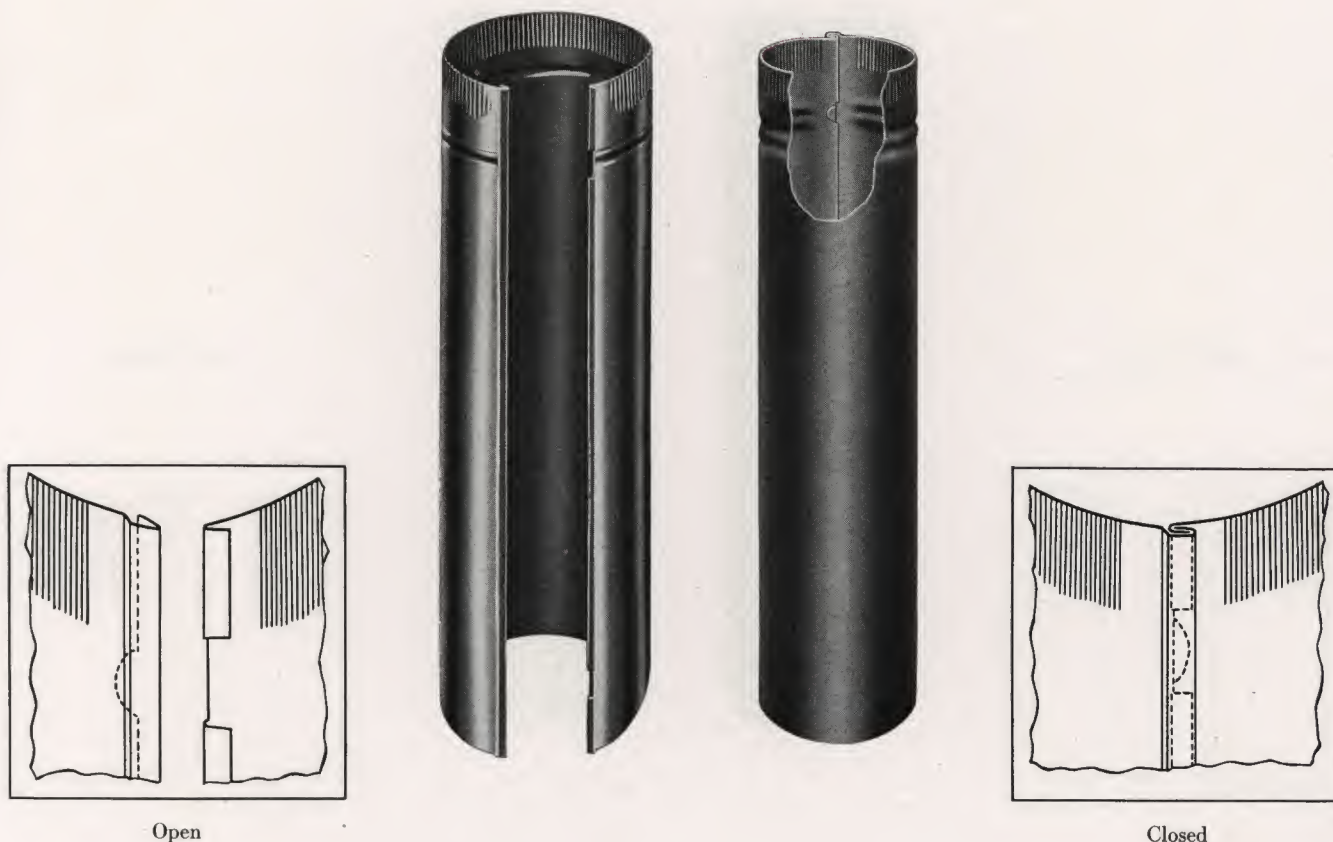
This pipe is furnished in quarter, half, and tapered joints of any size.

The small end of the tapered joint is crimped unless otherwise specified.

All sizes packed 25 joints in steel cask.



## Wheeling Nested Stove Pipe



Open

Closed

## STAR LOCK STOVE PIPE

Reg. U. S. Patent Office

**H**ERE is another Wheeling Stove Pipe the lock of which is quickly and easily fastened without the use of tools. This style locking device is preferred by some because the locks are on the inside of the pipe.

When the two edges of the joint are brought together, the two tongues, one on each end, are pushed through the slots in the outer edge, then bent back, thus locking the seam, on the inside, at both ends of the joint.

Star Lock stove pipe is made from Super-Blue sheets, described on page 107, in 27- and 28-

gauges only. It is also made from Uniform Blue or from Zinc Coated sheets in all gauges from 26 to 30. Super-Blue and Uniform Blue pipe are specially coated to prevent rust.

Sizes 3, 4, 4½, 5, 5½, 6, and 7 inches. Regular joints are 24 inches long.

This pipe is furnished in half and tapered joints of any size.

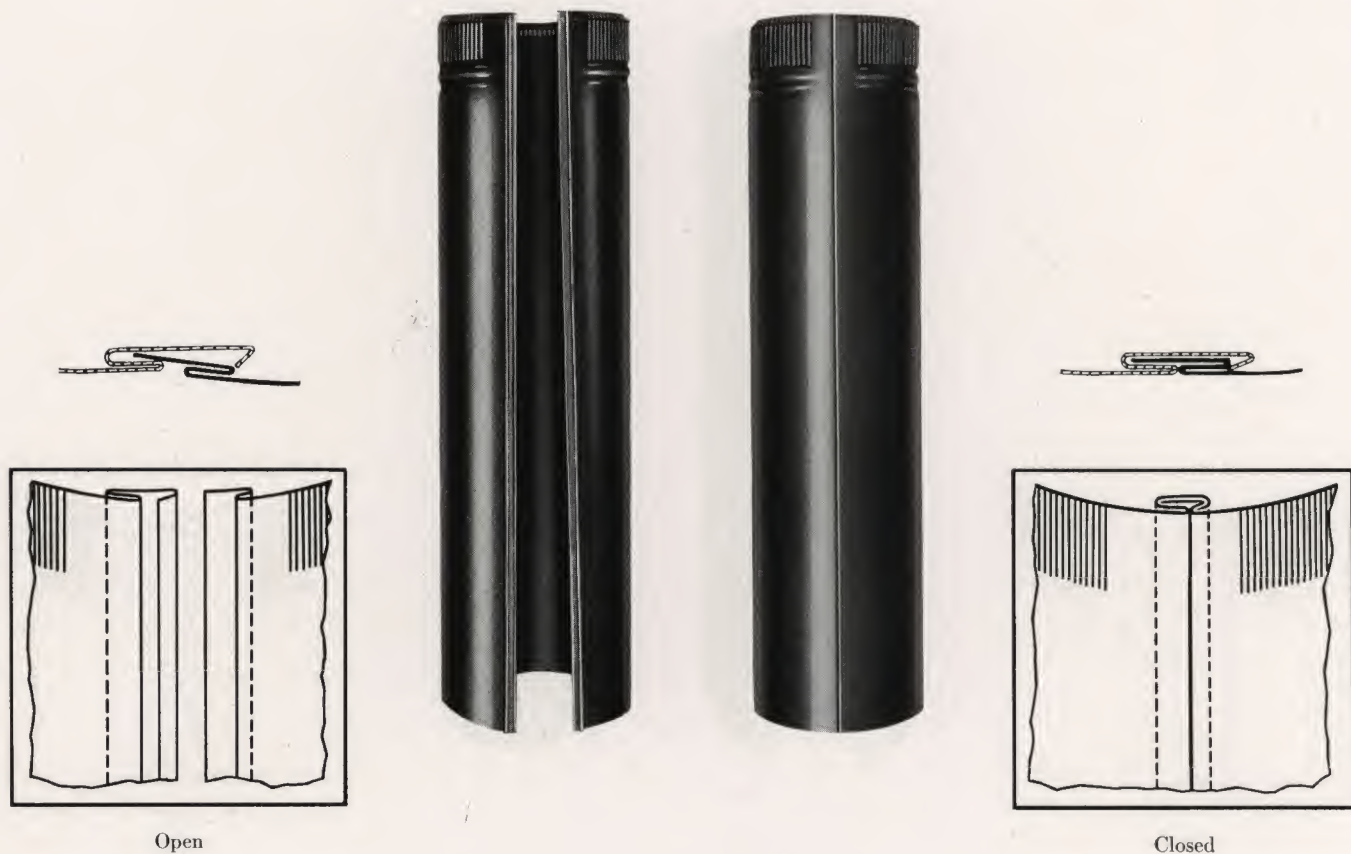
The small end of the tapered joint is crimped unless otherwise specified.

All sizes packed 25 joints in steel cask.





## Wheeling Nested Stove Pipe



## CINCHLOK STOVE PIPE

Reg. U. S. Patent Office

**A** VERY popular style of stove pipe that has met with enthusiastic approval not merely for its ingenious locking device but for its uniformity of finish and attractiveness of appearance.

Locked with ideal simplicity it has no bulging seams and always stays locked. A real "cinch" lock in all that the name implies. Halving or quartering a single joint may be accomplished with ease without disturbing the permanent lock. The lock quickly snaps into place along the entire length of the joint and cannot come apart. No malleting required.

The joints of Cinchlok pipe fit together uniformly close and tight, an unusual feature in this type of lock.

Cinchlok Stove Pipe is furnished only in Uniform Blue, especially coated to prevent rust. The 4-inch size is made in 30-gauge only. 5, 6, and 7-inch sizes in 26, 28, 29, and 30 gauges. Joints are 24 inches long.

This pipe is furnished in quarter, half, and tapered joints of any size.

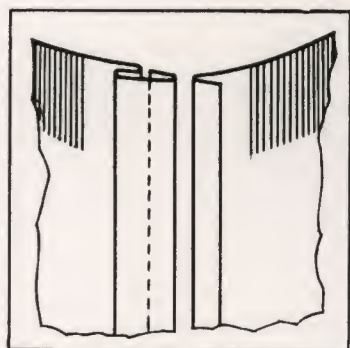
The small end of the tapered joint is crimped unless otherwise specified.

All sizes packed 25 joints in steel cask.

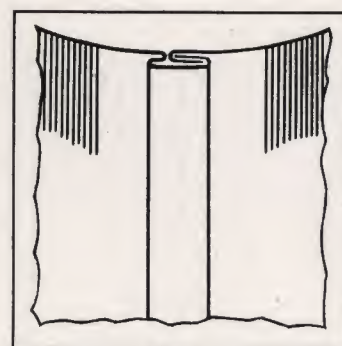




## Wheeling Nested Stove Pipe



Open



Closed

## BULL DOG LOCK STOVE PIPE

Reg U. S. Patent Office

**W**HEELING Bull Dog Stove Pipe has a straight lock seam which is easily fitted together to make a firm and rigid joint.

Since there are no tongues or slots in the lock, it must be malletted down to make a tight joint. No rivets required.

This style of Wheeling Stove Pipe is made from Super-Blue sheets, described on page 107, in 27- and 28-gauges only. Made from Uniform Blue or Zinc Coated sheets, it may be obtained in all gauges from 26 to 30. Super-

Blue and Uniform Blue are specially coated to prevent rust.

Sizes 3, 4, 4½, 5, 5½, 6, and 7 inches. Regular joints are 24 inches long. Also furnished in 28-inch or 30-inch joints when specially ordered.

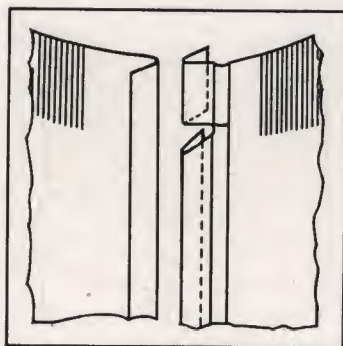
This pipe is furnished in quarter, half, and tapered joints of any size.

The small end of the tapered joint is crimped unless otherwise specified.

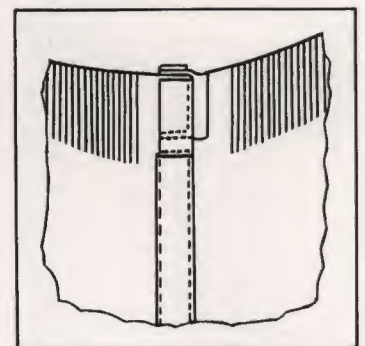
All sizes packed 25 joints in steel cask.



## Wheeling Nested Stove Pipe



Open



Closed

## TEXAS LOCK STOVE PIPE

**T**HIS Texas Lock stove pipe may be easily and firmly joined without the use of tools. It is put together by locking the seams, sliding the inside fold of the seam down until it comes below the notch on the crimped end, and then pushing it back through the notch.

In 27- and 28-gauges only, Texas Lock stove pipe is made from the Super-Blue sheets described on page 107. It may be obtained in all gauges from 24 to 30, made from Uniform Blue sheets or from Zinc Coated sheets. The

Super-Blue and the Uniform Blue are coated with a special preparation to prevent rusting.

Sizes 3, 4, 4½, 5, 5½, 6, and 7 inches. Regular joints are 24 inches long. Also furnished in 28-inch and 30-inch joints when so specified.

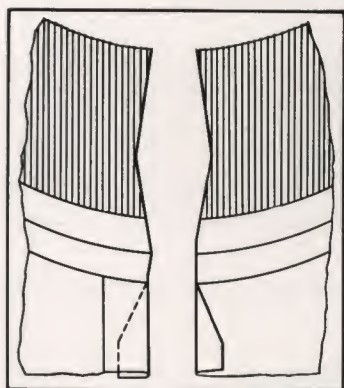
This pipe is furnished in quarter, half, and tapered joints of any size.

The small end of the tapered joint is crimped unless otherwise specified.

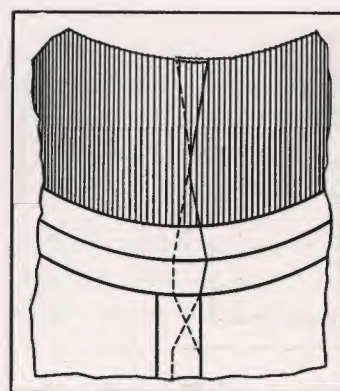
All sizes packed 25 joints in steel cask.



## Wheeling Nested Stove Pipe



Open



Closed

## WHEELING LOCK STOVE PIPE

**H**ERE is a lock that is both simple and effective. The joint is connected by locking the seams together, then spreading the top part so as to allow the crimped part on the under side of the seam to overlap the opposite edge. It springs into place easily and makes a perfectly round, firm joint that is true to size.

Wheeling Lock Stove Pipe is made from Super-Blue sheets, as described on page 107, in 27- and 28-gauges only. Made from Uniform Blue sheets or from Zinc Coated sheets, this pipe may be obtained in all gauges from 26 to 30.

Both the Super-Blue and the Uniform Blue are coated with a special preparation that prevents rust.

Sizes 3, 4, 4½, 5, 5½, 6, and 7 inches. Regular joints are 24 inches long. Also furnished in 28-inch and 30-inch joints on special order.

This pipe is furnished in quarter, half, and tapered joints of any size.

The small end of the tapered joint is crimped unless otherwise specified.

All sizes packed 25 joints in steel cask.



## Wheeling Stove Pipe Elbows



2½-inch End



1½-inch End

### WHEELING ONE-PIECE CORRUGATED STOVE PIPE ELBOWS

**W**HEELING One-Piece Corrugated Stove Pipe Elbows have a lock seam in the throat, and are made from the Super-Blue steel sheets, described on page 107, in 27-gauge only with 2½-inch ends.

They are made from Uniform Blue sheets in 26-, 28-, and 30-gauges with 1½-inch or 2½-inch ends. Also made from zinc coated sheet steel in 29-gauge.

Wheeling Elbows are accurate to size and properly crimped.

Sizes 3, 4, 4½, 5, 5½, 6, and 7 inches.

Shipped one dozen to a bundle securely wired, or packed in corrugated fiber board cartons at a small additional price.

It is recommended that elbows be ordered packed in cartons.



### WHEELING ADJUSTABLE STOVE PIPE ELBOWS

**W**HEELING Adjustable Stove Pipe Elbows are made from Uniform Blue sheet steel. The four pieces are securely joined together, and the rounded edges permit each section to turn freely. They are easily adjustable to any angle up to 90°.

They are made in 26-, 28-, and 29-gauges and have 2-inch ends.

Shipped one dozen in a crate, with wood side slats.

At a small increase in price, they will be shipped in cardboard cartons, one dozen elbows to the carton.

Sizes 3, 4, 5, 6, and 7 inches.

It is recommended that elbows be ordered packed in cartons.





## Wheeling Stove Pipe Elbows



### METHOD OF PACKING

**F**OR convenience in handling, shipping and storing Wheeling Stove Pipe Elbows are regularly packed in bundles of one dozen as shown in the illustration at left. Elbows are slipped together in circles of four and then securely wired.

On special order, and at a slight advance in price, these stove pipe elbows will be shipped in corrugated fiber board cartons, each carton containing one dozen elbows. The cartons keep your stocks in the best condition for resale and it is recommended that elbows be so shipped.



### CORRUGATED FIBER BOARD CARTONS FOR STOVE PIPE ELBOWS

**T**HE illustration above shows the cartons in which these elbows are shipped on special order and at only a slight advance in price.

Cartons also assure the receipt of elbows in first class, salable condition, and save you the trouble and annoyance of making freight claims for damaged goods.

The freight rate classification is lower on elbows shipped in cartons than when wired in bundles.

Many dealers have expressed a preference for shipment of stove pipe elbows in cartons because they give greater protection to these products and keep them in better appearance for resale.

When ordering, please specify whether you want elbows shipped wired in bundles, or in cartons. Cartons hold one dozen elbows.



## Wheeling Stove Pipe Fittings



### ONE-PIECE STOVE PIPE REDUCERS

**T**HE above stove pipe reducer is made from Uniform Blue sheet steel. A side lock seam holds the reducer firmly in shape and it is specially treated to prevent rust.

It decreases from a 7-inch oval to a 6-inch round and permits the connection of a range having a 7-inch collar to a flue opening of 6 inches in diameter.

It may also be used for reducing pipe in passing through high warming ovens.

These are shipped nested, one dozen reducers in a carton.



### TEE JOINTS FOR STOVE PIPE

**W**HEELING Tee Joints are carefully constructed with the seams tightly locked and the joints securely riveted.

A special preparation with which they are coated prevents rust.

They are available in the four sizes listed below and made from either Uniform Blue or Zinc Coated sheet steel in all standard gauges. Shipped crated.

Sizes 5, 5½, 6, and 7 inches.

### ADJUSTABLE FLUE THIMBLES



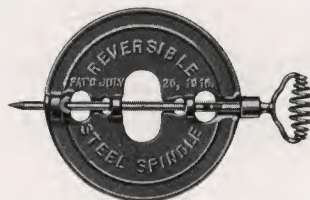
**W**HEELING Adjustable Flue Thimbles are made from either zinc coated or black sheet steel, and in the four sizes indicated below.

Carefully formed with deep swedges running the full circumference, they are made with tongues that permit adjusting to size.

Shipped nested in crates, six dozen flue thimbles to a crate.

Sizes 3 to 4, 4 to 5, 5 to 6, and 6 to 7 inches.

### DAMPERS—HOT AIR AND SMOKE PIPE



**W**HEELING Hot Air and Smoke Pipe Dampers are made from heavy gauge sheet steel, swedged to insure perfect stiffness and strength and their diameters accurately die-cut to fit pipe effectively when dampers are closed.

#### Sheet Steel Dampers

Sizes 3, 4, 4½, 5, 5½, 6, 7, 8, 9, 10, 11 and 12 inches.

Black enameled wood handles are regularly supplied on the sheet iron dampers, which are not reversible. The stem is made of malleable iron, pointed and easily driven through the pipe.

Cast iron dampers also supplied and are of the reversible type with nicked handles.

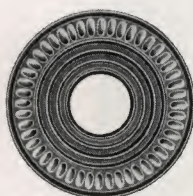
#### Cast Iron Dampers—Reversible

Sizes 3, 4, 4½, 5, 5½, 6, 7, and 8 inches.





## Wheeling Stove Pipe Fittings



## WHEELING STOVE PIPE COLLARS

**T**HESE Wheeling Stove Pipe Collars are carefully designed to fit over the stove pipe easily but snugly and have wide flanges.

They are made from bright tin plate, and are furnished plain bright tin or gold lacquered.

Shipped in packages of one dozen collars.

### Standard—Plain

Nos. . . . .4	4½	5	5½	6	7
Inches. . . .4 x 6¾	4½ x 7¾	5 x 8¼	5½ x 8⅝	6 x 9½	7 x 10¼

### Standard—Gold Lacquered

Nos. . . . .24	24½	25	25½	26	27
Inches. . . .4 x 6¾	4½ x 7¾	5 x 8¼	5½ x 8⅝	6 x 9½	7 x 10¼

### Extra Wide Flange—Plain

Nos. . . . .035	036	037	045	046	047	056	057	067
Inches. . . .3 x 8¼	3 x 9½	3 x 10¼	4 x 8¼	4 x 9½	4 x 10¼	5 x 9½	5 x 10¼	6 x 10¼

### Extra Wide Flange—Gold Lacquered

Nos. . . . .0235	0236	0237	0245	0246	0247	0256	0257	0267
Inches. . . .3 x 8¼	3 x 9½	3 x 10¼	4 x 8¼	4 x 9½	4 x 10¼	5 x 9½	5 x 10¼	6 x 10¼

## WHEELING FLUE STOPS

### WITH WIRE FASTENERS, LITHOGRAPHS — GOLD LACQUERED

**W**HEELING Flue Stops, as illustrated above, are made from bright tin plate. The center has an attractive lithograph in colors, and the outside rim is gold lacquered.

They are made with wide flanges and sturdy wire fasteners. Shipped nested in a neat cardboard box, twelve flue stops in a box. Made in one size only; 8¼ inches in diameter.





## Wheeling Nested Furnace Pipe



Zinc Coated Furnace Pipe



Nested with Protected Edges



Tin Furnace Pipe

**M**ADE of Open Hearth Steel, pure zinc coated (Galvanized), Coke Tin, or Black Steel.

Wheeling Furnace Pipe has a straight lock seam and is easily fitted together, making a firm, rigid joint.

The lock seam on Wheeling Furnace Pipe is our own special design and is non-collapsible. The pipe is easily fitted together, making a firm, rigid joint. The joints are full length and the heavy, deep crimps assure a tight connection.

Wheeling Zinc Coated Furnace Pipe is packed as follows:

3-inch to 10-inch inclusive wired 25 joints to the bundle.

12-inch and larger wired 12 and 13 joints to the bundle.

The lock edges are carefully protected by a heavy formed strip which prevents any mashing of the locks in handling and shipping. Strips are securely wired at top and bottom making a sturdy, reinforced package that assures the delivery of the pipe in good condition.

Black Furnace Pipe is packed in steel casks.

### LIST PRICES PER JOINT

Sizes	28-gauge Zinc Coated			26-gauge Zinc Coated			24-gauge Zinc Coated			22-gauge Zinc Coated	20-gauge Zinc Coated	24-gauge Black		
	12" Jts.	24" Jts.	30" Jts.	12" Jts.	24" Jts.	30" Jts.	12" Jts.	24" Jts.	30" Jts.	24" Joints	24" Joints	12" Jts.	24" Jts.	30" Jts.
3"	\$0.26	\$0.46	\$0.58	....	....	....	....	....	....	....	....	....	....	....
4"	.29	.52	.66	....	....	....	....	....	....	....	....	....	....	....
5"	.31	.56	.70	....	....	....	....	....	....	....	....	....	....	....
6"	.37	.66	.83	\$0.40	\$0.72	\$0.90	\$0.50	\$0.90	\$1.13	....	....	\$0.40	\$0.72	\$0.90
7"	.40	.72	.90	.43	.78	.98	.53	.96	1.20	\$1.20	\$1.80	.43	.78	.98
8"	.44	.80	1.00	.47	.86	1.08	.58	1.04	1.30	1.30	2.00	.47	.86	1.08
9"	.49	.88	1.10	.52	.94	1.18	.65	1.18	1.48	1.50	2.40	.52	.94	1.18
10"	.53	.96	1.20	.58	1.04	1.30	.71	1.28	1.60	1.70	2.80	.58	1.04	1.30
12"	.63	1.14	1.43	.69	1.24	1.55	.88	1.60	2.00	2.10	3.60	.69	1.24	1.55
14"	.72	1.30	1.63	.77	1.40	1.75	.99	1.80	2.25	2.50	4.00	.77	1.40	1.75
16"	.82	1.48	1.85	.88	1.60	2.00	1.10	2.00	2.50	2.90	....	.88	1.60	2.00
18"	.97	1.76	2.20	1.05	1.90	2.38	1.27	2.30	2.88	3.30	....	1.05	1.90	2.38
20"	1.13	2.04	2.55	1.21	2.20	2.75	1.54	2.80	3.50	3.50	....	1.21	2.20	2.75
22"	1.38	2.50	3.13	1.49	2.70	3.38	1.76	3.20	4.00	....	....	1.49	2.70	3.38
24"	1.63	2.96	3.70	1.76	3.20	4.00	2.09	3.80	4.75	....	....	1.76	3.20	4.00
26"	....	....	....	2.04	3.70	4.63	2.37	4.30	5.38	....	....	2.04	3.70	4.63
28"	....	....	....	2.31	4.20	5.25	2.70	4.90	6.13	....	....	2.31	4.20	5.25
30"	....	....	....	2.59	4.70	5.88	2.97	5.40	6.75	....	....	2.59	4.70	5.88

Prices on 28-inch joints furnished on application.

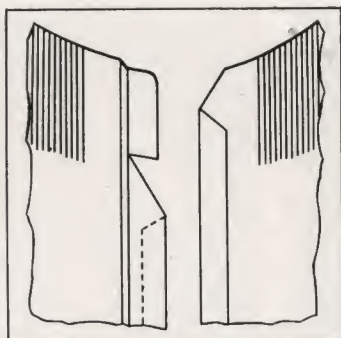
Prices on 32-inch to 36-inch diameters quoted on application.

Tapered joints can be furnished in all standard sizes and gauges. Prices upon application.





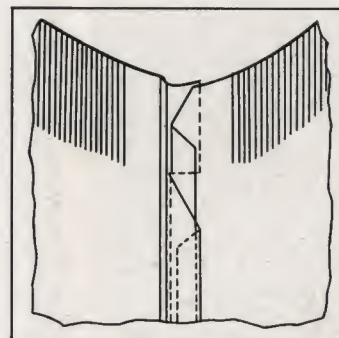
# Wheeling Nested Furnace Pipe



Lock Open



Cross Section of Lock



Lock Closed

## Shipping Weights Per 100 Joints

All Weights are based on U. S. S. Gauges

Diameter	24-inch Joints				30-inch Joints			
	28-gauge Zinc Coated	26-gauge Zinc Coated	24-gauge Zinc Coated	24-gauge Black	28-gauge Zinc Coated	26-gauge Zinc Coated	24-gauge Zinc Coated	24-gauge Black
3"	134	156	...	...	167	195	...	...
4"	176	204	...	...	220	255	...	...
5"	215	249	318	275	269	311	397	343
6"	259	300	381	331	323	375	476	413
7"	300	348	442	384	375	435	552	480
8"	341	396	503	437	426	495	628	546
9"	382	443	563	489	477	553	703	611
10"	423	481	622	541	528	611	777	676
12"	504	585	742	646	630	731	927	807
14"	587	681	864	752	733	851	1080	940
16"	669	776	984	856	836	970	1230	1070
18"	750	870	1104	960	937	1087	1380	1200
20"	832	964	1224	1064	1040	1205	1530	1330
22"	911	1057	1342	1166	1138	1321	1677	1457
24"	993	1152	1461	1271	1241	1440	1826	1588
26"	1074	1246	1581	1375	1342	1557	1976	1718
28"	1157	1342	1703	1481	1446	1677	2128	1851
30"	1238	1436	1823	1585	1547	1795	2278	1981
32"	1341	1556	1975	1717	1676	1945	2469	2146
34"	1408	1633	2072	1802	1760	2041	2590	2252
36"	1497	1737	2204	1917	1871	2171	2755	2396

Diameter	24-inch Joints				30-inch Joints			
	22-gauge Zinc Coated	20-gauge Zinc Coated	22-gauge Black	20-gauge Black	22-gauge Zinc Coated	20-gauge Zinc Coated	22-gauge Black	20-gauge Black
8"	618	728	549	659	772	910	686	824
9"	691	814	614	737	864	1017	761	921
10"	764	900	679	816	955	1125	842	1020
12"	911	1073	810	972	1138	1341	1004	1215
14"	1060	1249	943	1131	1325	1561	1169	1414
16"	1207	1421	1072	1287	1508	1776	1329	1608
18"	1353	1594	1203	1444	1691	1992	1491	1805
20"	1499	1766	1333	1600	1873	2207	1653	2000
22"	1643	1935	1460	1753	2053	2419	1810	2191
24"	1789	2107	1591	1909	2136	2634	1972	2386
26"	1936	2280	1721	2066	2420	2850	2134	2582
28"	2085	2456	1854	2224	2606	3070	2299	2780
30"	2232	2629	1984	2381	2790	3286	2460	2976
32"	2416	2846	2148	2578	3020	3557	2663	3222
34"	2537	2987	2255	2706	3171	3733	2796	3382
36"	2698	3177	2398	2878	3372	3970	2973	3597





# Wheeling Adjustable Furnace Pipe Angles and Elbows



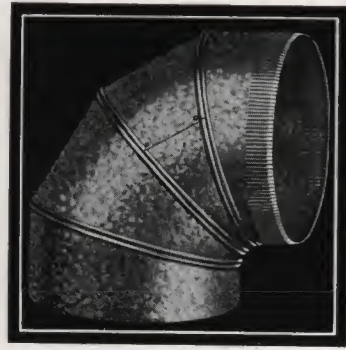
30° Angle



45° Angle



60° Angle



Adjustable Elbows

**M**ADE from zinc coated (Galvanized) sheets, or black steel. Furnished in all standard diameters from 6 to 36 inches inclusive (no fractional diameters), and in Nos. 28-, 26-, and 24-gauges. Prices on heavier gauges quoted on application. Angles are supplied in 30°, 45°, or 60° as specified.

Elbows are adjustable to a maximum of 90°. The four sections are securely joined together and the rounded edges permit each section to turn freely. Wheeling Adjustable Furnace Pipe Angles and Elbows meet every requirement.

## ANGLES—List Prices Per Angle

Diameter	26-gauge Zinc Coated			24-gauge Zinc Coated			24-gauge Black		
	30°	45°	60°	30°	45°	60°	30°	45°	60°
6"	\$0.48	\$0.52	\$0.58	\$0.54	\$0.57	\$0.68	\$0.48	\$0.52	\$0.58
7"	.52	.57	.68	.61	.67	.78	.52	.57	.68
8"	.56	.62	.78	.66	.77	.88	.56	.62	.78
9"	.66	.72	.88	.76	.87	1.03	.66	.72	.88
10"	.76	.87	1.03	.91	1.07	1.33	.76	.87	1.03
12"	.96	1.07	1.33	1.16	1.37	1.63	.96	1.07	1.33
14"	1.10	1.20	1.65	1.35	1.45	2.00	1.10	....	1.65
16"	1.35	1.50	2.00	1.60	1.80	2.50	1.35	....	2.00
18"	1.65	1.85	2.50	2.00	2.20	3.25	1.65	....	2.50
20"	1.80	2.35	2.90	2.50	2.80	4.00	1.80	....	2.90
22"	2.00	2.60	3.20	....	....	....	....	....	....
24"	2.30	3.00	3.70	....	....	....	....	....	....
26"	2.60	3.40	4.20	....	....	....	....	....	....
28"	3.00	3.95	4.90	....	....	....	....	....	....
30"	3.50	4.55	5.60	....	....	....	....	....	....
32"	4.50	....	6.70	....	....	....	....	....	....
34"	5.00	....	7.50	....	....	....	....	....	....
36"	5.50	....	8.30	....	....	....	....	....	....

## ADJUSTABLE ELBOWS—List Prices Per Elbow

Diameter	28-gauge Zinc Coated 90° Angle	26-gauge Zinc Coated 90° Angle	24-gauge Zinc Coated 90° Angle	24-gauge Black 90° Angle
3"	\$0.40	....	....	....
4"	.45	....	....	....
5"	.50	....	....	....
6"	.60	\$0.70	\$0.90	\$0.70
7"	.70	.82	1.00	.82
8"	.80	.94	1.10	.94
9"	.90	1.06	1.30	1.06
10"	1.00	1.20	1.50	1.20
12"	1.45	1.60	1.90	1.60
14"	2.00	2.10	2.50	2.10
16"	2.25	2.70	3.25	2.70

Diameter	28-gauge Zinc Coated 90° Angle	26-gauge Zinc Coated 90° Angle	24-gauge Zinc Coated 90° Angle	24-gauge Black 90° Angle
18"	....	\$3.30	\$4.00	\$3.30
20"	....	3.80	4.75	3.80
22"	....	4.40	....	....
24"	....	5.20	....	....
26"	....	6.00	....	....
28"	....	7.00	....	....
30"	....	8.00	....	....
32"	....	9.00	....	....
34"	....	10.00	....	....
36"	....	11.00	....	....





# Wheeling Furnace Pipe Angles

## Shipping Weights per Dozen

All Weights are based on U. S. S. Gauges

Diameter	30° Angles				45° Angles				60° Angles			
	28-ga.	26-ga.	24-ga.	24-ga.	28-ga.	26-ga.	24-ga.	24-ga.	28-ga.	26-ga.	24-ga.	24-ga.
	Zinc Coated	Zinc Coated	Zinc Coated	Black	Zinc Coated	Zinc Coated	Zinc Coated	Black	Zinc Coated	Zinc Coated	Zinc Coated	Black
5"	6.6	7.7	9.8	8.5	7.5	8.75	11.2	9.7	10	11.8	15	13
6"	9	10	13	11	9	10	13	11	13	14	19	16
7"	11	13	16	14	12	14	17	15	15	18	22	19
8"	13	15	19	16	14	16	20	18	18	21	27	23
9"	15	17	22	19	17	19	24	21	22	25	32	28
10"	17	20	25	22	20	23	30	25	25	29	37	32
12"	22	24	33	28	27	31	39	34	34	40	51	44
14"	28	32	41	35	32	37	47	41	41	48	61	53
16"	33	39	50	43	39	45	58	50	51	59	75	65
18"	40	46	59	51	47	54	69	60	61	71	91	78
20"	48	55	71	61	58	67	85	73	75	87	111	96
22"	61	70	90	77	67	78	99	86	99	114	147	127
24"	69	80	102	88	77	90	114	99	119	138	176	153
26"	77	90	114	99	98	114	145	125	135	157	200	173
28"	87	101	128	111	111	128	164	142	152	177	225	195
30"	96	111	143	123	124	143	183	158	171	199	253	219
32"	106	123	156	135	138	160	204	176	191	221	282	244
34"	117	136	174	150	152	176	225	195	213	248	316	273
36"	128	148	189	164	168	194	248	214	233	270	344	298

# WHEELING ADJUSTABLE FURNACE PIPE ELBOWS

## Shipping Weights per Dozen

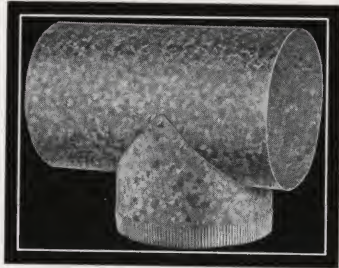
All Weights are based on U. S. S. Gauges

Diameter	28-gauge Zinc Coated	26-gauge Zinc Coated	24-gauge Zinc Coated	24-gauge Black
	pounds	pounds	pounds	pounds
5"	12	13	17	15
6"	15	18	21	18
7"	21	22	26	23
8"	25	29	31	27
9"	29	34	38	34
10"	36	41	44	39
12"	46	53	59	52
14"	56	65	67	61
16"	70	81	87	82
18"	85	98	117	95
20"	98	114	153	126
22"	126	146	189	152
24"	151	175	225	186
26"	176	204	261	225
28"	201	233	297	257
30"	227	263	336	290
32"	260	301	384	332
34"	286	331	422	366
36"	315	366	466	404





## Wheeling Furnace Pipe Tee Joints



Furnished in 26- and 24-gauges, pure zinc coated (Galvanized) and 24-gauge Black  
List Prices per Joint

Diameter	Length of Body	Length of Stub	26-gauge Zinc Coated	24-gauge Zinc Coated	24-gauge Black
6"	15"	3"	\$1.10	\$1.45	\$1.10
7"	15"	3"	1.10	1.45	1.10
8"	15"	3"	1.30	1.75	1.30
9"	15"	3"	1.50	2.20	1.50
10"	16"	2 1/2"	1.90	2.60	1.90
12"	18"	2 3/4"	2.60	3.40	2.60

Other sizes quoted on application.

Standard practice is to crimp the stub end. Can crimp on either end of body when so desired. On sizes 6-, 7-, 8-, and 9-inch the stub end is 1 1/4 inches off center. On 10-inch size the stub is 1 inch off center. On 12-inch size the stub is centered. 6- and 7-inch are packed 6 to the carton. Larger sizes are crated 6 to the crate

## WHEELING FURNACE PIPE TEE JOINTS

Net and Gross Shipping Weights per 100 Joints

Diameter	26-gauge Zinc Coated		24-gauge Zinc Coated		24-gauge Black	
	Net Wt.	Gross Wt.	Net Wt.	Gross Wt.	Net Wt.	Gross Wt.
	pounds		pounds		pounds	
6"	207	300	290	383	229	322
7"	250	343	320	413	277	370
8"	282	409	358	501	311	438
9"	317	460	428	571	350	493
10"	359	518	463	623	397	557
12"	514	705	652	843	568	759

## WHEELING NESTED TIN FURNACE PIPE

List Prices Per 12" Joints

Diameters	8"	9"	10"	12"
IX	.40	.45	.50	.60
IC	.33	.37	.42	.51

8-, 9-, and 10-inch packed 25 joints in steel cask.

12-inch packed 12 and 13 joints in steel cask.

Joints are 24 inches long.

## TIN FURNACE PIPE ELBOWS AND ANGLES

List Prices Each

Sizes	IX				IC			
	2-piece 30° Angle	2-piece 45° Angle	3-piece 60° Angle	4-piece 90° Elbow	2-piece 30° Angle	2-piece 45° Angle	3-piece 60° Angle	4-piece 90° Elbow
8"	\$0.40	\$0.46	\$0.56	\$0.65	\$0.30	\$0.35	\$0.45	\$0.55
9"	.45	.52	.63	.72	.35	.40	.50	.60
10"	.50	.58	.73	.85	.40	.45	.58	.70
12"	.65	.75	1.00	1.25	.55	.60	.80	1.00

Elbows and angles packed 1 dozen per bundle.





## Wheeling Fireproof Building Materials

# WHEELING-MADE FROM MINE TO MARKET



**W**HEELING Fireproof Building Materials, including lath and other sheet steel building necessities, are used in every known type of building, yielding advantages that reflect in the thorough reinforcement, protection against fire and in economical costs. Many are the savings in time, labor and materials that result from their use. As is the case with all Wheel-

ing products, production begins at the ore mines. Control of quality in no single instance gets away from the one organization pledged to maintain the high standard that has been evident in the building field throughout forty years' experience. There are no better building materials of their kind than these which bear the Wheeling trade-mark.

## MADE OF **COP-R-LOY** FOR EXTRA SERVICE AND DURABILITY

**T**HE use of COP-R-LOY for the manufacture of Wheeling Fireproof Building Materials makes possible the fullest expectancy for their life and service in any class of construction. The advantages of this better metal combined with scientific design and excellence

of workmanship to be found in all Wheeling products are available at economical costs. Wheeling COP-R-LOY Fireproof Building Materials are the most widely known and most thoroughly respected for their quality, dependability and usefulness, of any in America.



## Wheeling Fireproof Building Materials



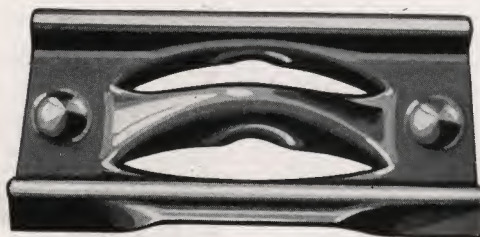
### ARCH LATH

**A fire-safe and warp-proof plastering base  
of distinctive and scientific design**

Sheets are 27 x 96 inches, two square yards per sheet. Packed in bundles of 10 sheets—20 square yards. Supplied either Painted Black, weight 4.5 pounds per square yard, or Pure Zinc Coated, weight 5.2 pounds per square yard. Made from COP-R-LOY or Open Hearth Steel

**T**HE distinctive and scientific design of Arch Lath makes it a superior product. Offering many exclusive features it has become an outstanding choice of architects and builders who realize the advantages to be derived from its use. Invaluable in fire-safe construction, it is practically a solid sheet of metal serving as a plaster base for fire-resisting and warp-proof walls or ceilings upon which the finest of plastering textures may be achieved. The smooth, even surfaces of plastered walls and ceilings obtained by the use of Arch Lath are

easier to paper or decorate. There are no highlights or shadows caused by sags or bulges. Wallpaper, particularly the more expensive kind, lies flatter and retains original smoothness indefinitely. Unsightly lath streaks are eliminated as Arch Lath has no capillary attraction. Arch Lath is not a plaster "skimper" but a plaster saver. Surfaces are rapidly finished with smooth, even coats. The design and rigidity of Arch Lath enable the plasterer to give the fullest yield of his practiced art.



One of the arches cut from a sheet of Wheeling Arch Lath shown in perspective, reveals the keying advantages of this type of lath



# Wheeling Fireproof Building Materials

## ARCH LATH

**For Greater Strength and Rigidity**

**FEWER SUPPORTS . . .** Because of the rigidity of Arch Lath, supports may be spaced farther apart. Sheets are 3 inches wider than the customary metal lath, thus requiring fewer sheets to erect, at lower erection cost.

**EASIER TO HANDLE . . .** Sheets of Arch Lath are stiff enough to support their own weight, making them easier to handle.

**EASIER TO NAIL . . .** Nail holes are semi-punched to speed up application.

**PLASTER GRIPS . . .** The arches of Arch Lath are of sufficient height to firmly grip the plaster even where the lath passes over joists, studs and other supports.

**KEYS PERFECTLY . . .** The arch construction gives 8064 points of plaster grip in every sheet 27 x 96 inches. Possibility of cracking is reduced to a minimum.

**RIBS ADD STIFFNESS . . .** The parallel ribs running the full length stiffen the entire sheet. Additional stiffness is supplied by the series of arches.

**ARCHES IN OR OUT . . .** When specifications require full  $\frac{3}{4}$ -inch grounds the arches should be turned outward. Turn arches in for economy of plaster. You can secure strong, durable walls and ceilings with less than  $\frac{3}{4}$ -inch grounds when plastered on Arch Lath.

**SAVES PLASTER . . .** The arches perform also as plaster savers, permitting only the correct amount of plaster to squeeze through to insure a solid anchor.

**SAVES TIME . . .** Walls and ceilings on which Arch Lath has been applied are rapidly finished with even, smooth coats, the stiffness of the sheets enabling the plasterer to work as quickly as his ability permits. This rigidity prevents sagging under pressure of the trowel so that all walls and ceilings will be of equal thickness with a uniform shrinkage in drying out, eliminating one of the principal causes of checking and cracking. Arch Lath also saves the time and labor ordinarily required to remove and re-erect scaffolding before application of second coat of plaster. The plasterer doubles back with second coat almost immediately after applying the first coat.

**OTHER USES . . .** Wheeling Arch Lath is used extensively as a base for Vitreous Tile in bathrooms and kitchens. It is also used as a centering and reinforcement for thin concrete slabs over steel bar joists and metal lumber joists.



Wheeling Arch Lath was used as the plastering base in the Freeman Mortuary and Chapel at Kansas City, Mo. Harry Almon, architect



Wheeling Arch Lath in this instance was used for both exterior and interior, as a stucco and plastering base



Wheeling Arch Lath was used for the plastering base in the new residence of Mr. Malcolm McMenemy, St. Louis County, Mo., J. L. Bowling, architect





## Wheeling Fireproof Building Materials

# WHEELING

## COP-R-LOY

REG. U. S. PAT. OFF.

## EXPANDED METAL LATH

HAND-DIPPED IN PURE MOLTEN ZINC

**Galvanized after Fabricating**

**A**RCHITECTS, builders, and dealers will be glad to learn that a method has been perfected to coat expanded metal lath with pure molten zinc after the lath has been fabricated. This new product will be particularly desirable for use along the seashore and in other sections of the country where the atmospheric conditions are exceptionally severe on ferrous metals.

Now Wheeling Diamond Mesh Lath Hand-Dipped in Pure Molten Zinc [Galvanized] can be specified with complete assurance that the metal lath behind the plaster is good for the life of the building.

### LATH IS CUT FROM COP-R-LOY SHEETS

To insure the life of the base metal against corrosive elements, the lath is fabricated from sheets of COP-R-LOY—a rust-resisting metal known from coast to coast for its protective qualities. See page 13 for a complete description of this long-lived metal.

### COATING PROCESS

After the sheets are cut and expanded they are put through a bath of pure molten zinc, the temperature of which is scientifically regulated. As the sheets are guided through the

bath they pass between a set of rolls which squeeze off the excess zinc and firmly press the right amount of coating into the open pores of the sheet, bringing about a perfect amalgamation of both base and coating metals.

### EACH EXPANDED STRAND IS PERFECTLY COATED

By this process not only is the surface perfectly coated but each strand, and every part of each strand right up into the interstices of the meshes, is thoroughly coated with this impregnable armor of pure zinc, which not only protects the base metal but is an absolute guarantee against rust streaks in the plaster.

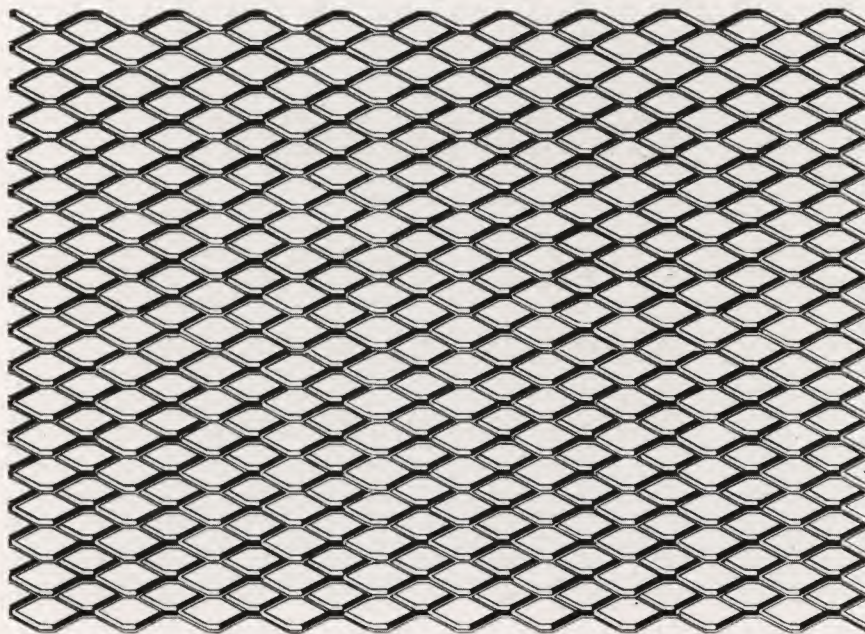
### DEVELOPED AFTER EXHAUSTIVE TESTS

The process of coating lath after fabrication developed by this company is the result of many months of experiments and tests. Experienced metallurgists cooperating with our production engineers have evolved this higher quality product and our complete facilities and modern manufacturing methods enable us to sell this pure zinc coated Lath at a lower price than has been hitherto possible.





## Wheeling Fireproof Building Materials



### WHEELING COP-R-LOY EXPANDED METAL LATH

HAND-DIPPED IN PURE MOLTEN ZINC

Galvanized after Fabricating

Sheets are 27 x 96 inches, two square yards per sheet. Packed in bundles of 10 sheets—20 square yards. Made only in one weight—3.4 pounds per square yard

**O**FFERING a positive resistance to corrosion and other destructive elements, Wheeling Hand-Dipped Metal Lath made of COP-R-LOY fills a long felt need for such a product at a price that makes it commercially possible for all plastered walls and ceilings, even on jobs where low cost is a vital factor.

This is a significant development in expanded metal lath manufacture that offers the ultimate service under all conditions, gives the greatest protection and eliminates the possibility of future losses that may occur from faulty plaster construction.

*Do not confuse this product with lath that is cut from galvanized sheets before fabrication. There are no abrasions and no exposed surfaces as all edges of the sheets and the edges of every strand are heavily and thoroughly coated with pure molten zinc.*

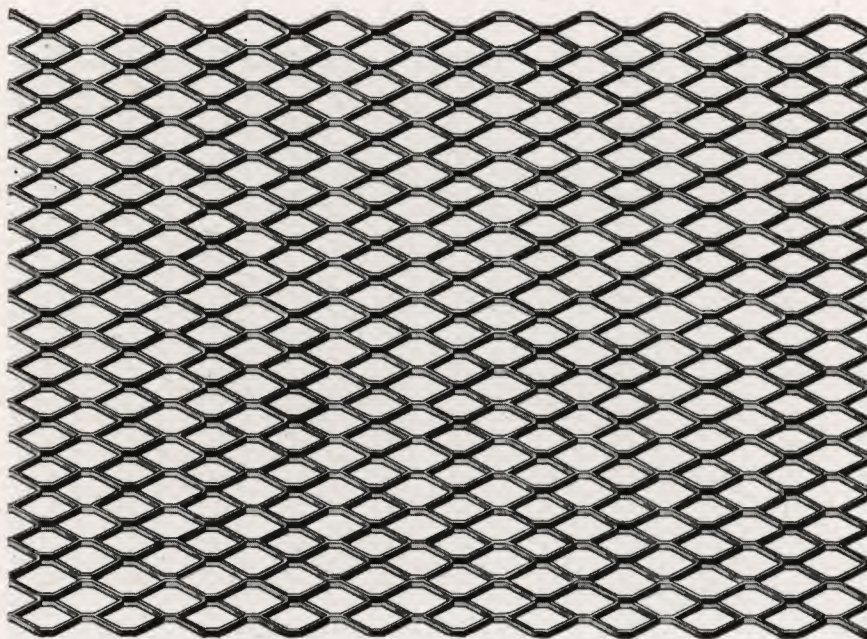
Make sure your specifications read as follows:

Lath all plastered walls and ceilings shown on the plans with

Wheeling COP-R-LOY Diamond Mesh Lath Hand-Dipped in Pure Molten Zinc (galvanized after fabricating). Weight 3.4 pounds per square yard.



## Wheeling Fireproof Building Materials



### DIAMOND MESH EXPANDED METAL LATH

The diamond mesh is shaped to accommodate  
uniform application of plaster

Sheets are 27 x 96 inches, two square yards per sheet. Packed in bundles of 10 sheets—20 square yards. Supplied either Painted Black, weights 2.2 pounds, 2.5 pounds, 3.0 pounds, and 3.4 pounds per square yard, or cut from Pure Zinc Coated sheets, weights 2.5 pounds and 3.4 pounds per square yard. Made from COP-R-LOY or Open Hearth Steel

See pages 126 and 127 for this lath galvanized after fabricating

**W**HEELING Diamond Mesh Expanded Metal Lath is so made that it insures a maximum keying of plaster with a minimum of waste. Lath which does not attain this result fails in its primary purpose. It is impossible to plaster this diamond mesh lath without sufficient mortar going through to the reverse side to cover the metal on the back and make a perfect key.

Rigidity of metal lath is of importance while the plaster is being applied. After extensive experiments, Wheeling Diamond Mesh Ex-

panded Metal Lath has been perfected so as to insure these three great advantages: firmly clinched plaster, minimum of waste and sufficient rigidity for ease of application.

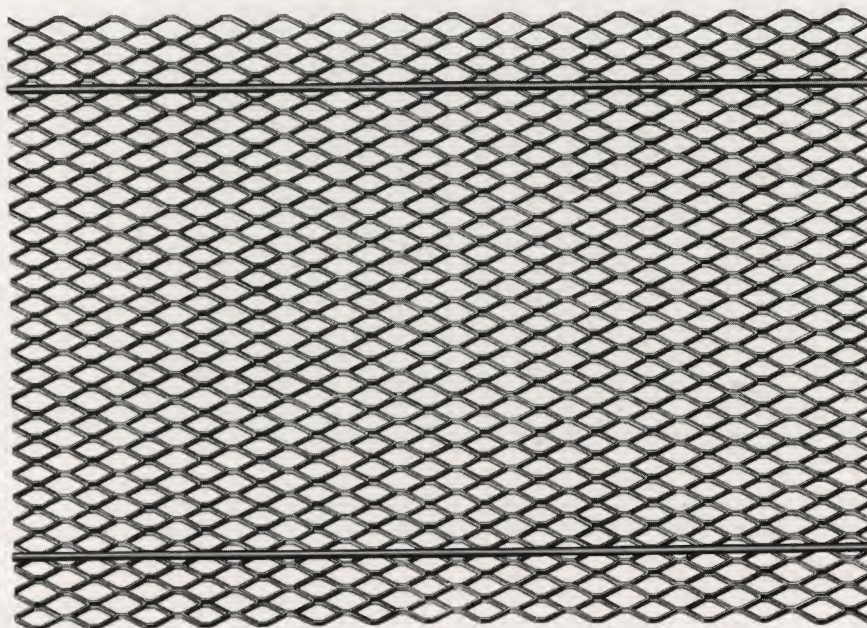
Made in four different weights, Wheeling Diamond Mesh Lath is suitable for many varied requirements and offers rare adaptability for special plastering purposes.

To identify the weight and quality of metal a seal is attached to each bundle guaranteeing it to be manufactured as specified.





## Wheeling Fireproof Building Materials



### BAR-X-LATH

Trade Mark Registered U. S. Patent Office, Patents Pending

**A new and improved lath that is exceptionally strong and rigid**

Sheets are 27 x 96 inches, two square yards per sheet. Packed in bundles of 10 sheets—20 square yards. Supplied Painted Black, weights 3.4 pounds and 4.0 pounds per square yard. Made from COP-R-LOY or Open Hearth Steel

**B**AR-X-LATH is a new lath development that achieves noteworthy success for bar joist and steel lumber application as well as for wide spacing of supports. It combines the qualities of Diamond Mesh Lath with its positive key for plaster, or concrete, with the added rigidity of twin welded bars that actually reinforce.

At regular intervals of  $7\frac{1}{2}$  inches, two round rods are welded to a sheet of Wheeling Diamond Mesh Lath, one rod on each side. These rods run the full length of the sheet and form a series of ribs which stiffen the sheet and provide a definite reinforcement for thin con-

crete slabs when laid over light structural steel beams or bar joists. The diamond mesh between the rods acts as a centering and the concrete flows around the bars, completely embedding them.

As will be observed in the illustration there are no ribs that require nesting, therefore no especial care is required in placing the sheets. Bars may be staggered at will. Either side is the right side; either side plastered means bar reinforced plaster. It is easy to erect; easily curved to any contour; its rigidity saves material. Excellent for walls, ceilings, roofs, arches, floors and makes the ideal partition wall.



## Wheeling Fireproof Building Materials



### BAR-X-LATH

#### AN IDEAL LATH FOR SOLID WALLS AND PARTITIONS

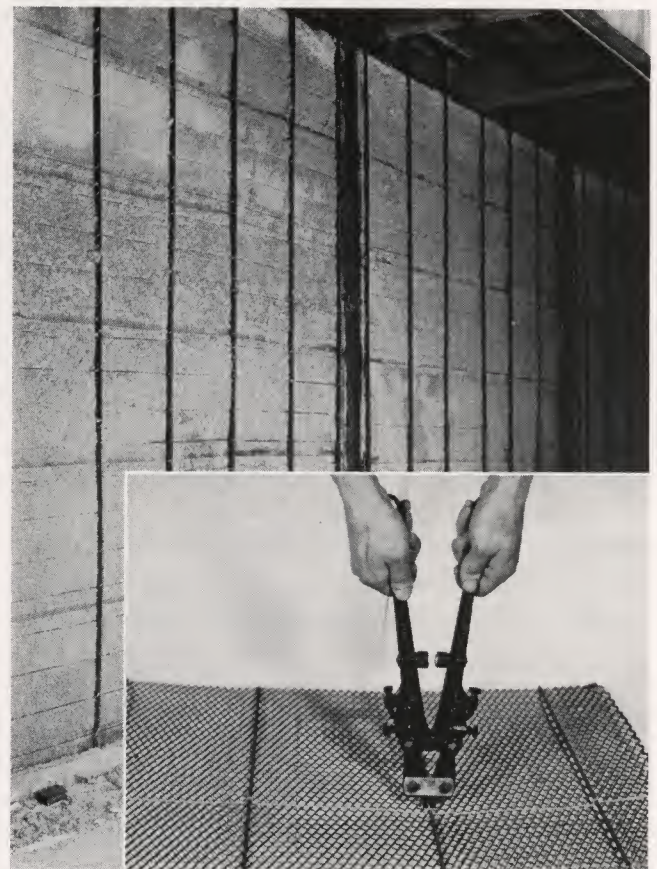
**B**AR-X-LATH may be used with perfect satisfaction with channels spaced 24 inches on centers, for solid partitions. The bars are entirely embedded in plaster, eliminating streaks due to atmospheric corrosion. Ideal keying of plaster in conjunction with the positive reinforcement achieved by the bars of BAR-X-LATH brings about results that have not heretofore been fully realized. Never a danger of using wrong side of lath—BAR-X-LATH has *two right sides*.

**EASY TO HANDLE** . . . As the sheets are flat and are separate by the bars BAR-X-LATH is very convenient to handle. There is no sagging or buckling of the sheets during application.

**EASY TO APPLY** . . . As the bars may be staggered at will there is no particular care required in applying BAR-X-LATH. It is very simple and easy to erect without waste, easy to line up and speeds up construction.

**EASILY BENT AROUND CORNERS** . . . For bending around or into square corners a sharp angle can be made by snipping the bars on one side of the lath at which point the lath may be bent to any degree.

**ADAPTABILITY** . . . The construction of BAR-X-LATH makes it an excellent material for many purposes. It is easily curved to any contour and offers a combined reinforcing and centering for concrete slabs. It is strong, light weight and self-furring.

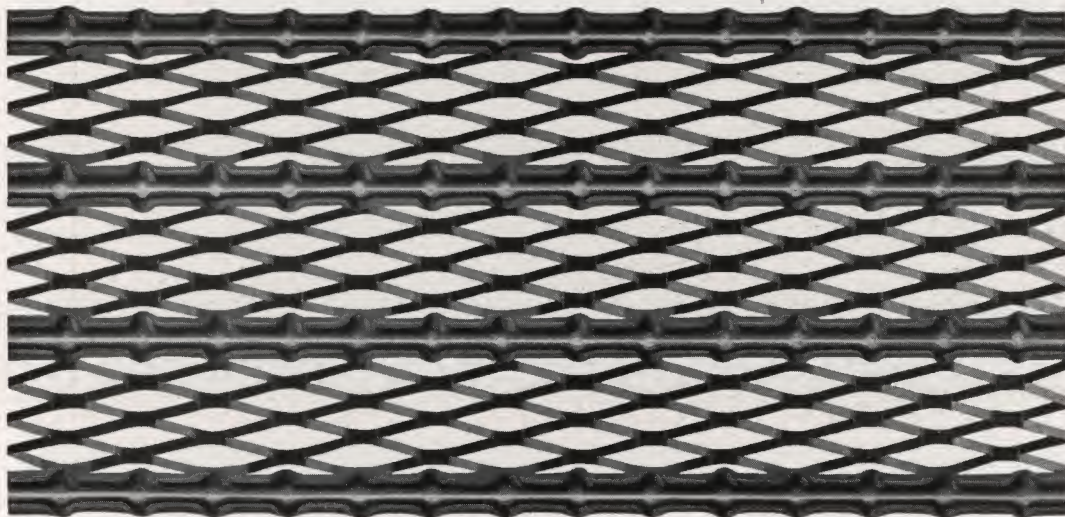


Installation of BAR-X-LATH for solid wall (from reverse side) on 1-inch channels. Lower right: cutting BAR-X-LATH—Snip the ribs and then shear the mesh





## Wheeling Fireproof Building Materials



### BAR-RIB METAL LATH

A popular lath for overhead ceiling work

Sheets are 27 x 96 inches, two square yards per sheet. Packed in bundles of 10 sheets—20 square yards. Supplied Painted Black, weights 2.75 pounds, 3.0 pounds, and 3.4 pounds per square yard. Made from COP-R-LOY or Open Hearth Steel

**T**HIS is a new development in Diamond Mesh Metal Lath, offering the advantages of plaster-saving principles. As will be noted in the illustration, the specially designed ribs stiffen the sheet and permit perfect keying with a minimum of plaster.

The outstanding feature of Wheeling Bar-Rib Metal Lath is the design of the rib itself which is narrower than in most rib laths and, therefore, offers less resistance to a strong mechanical bond. The rib is so embedded with the natural flow of plaster that the lath becomes a more integral part of the plastered wall than is usual with laths of such type. The crimps in the rib serve to strengthen the metal and to insure increased rigidity of the sheet.

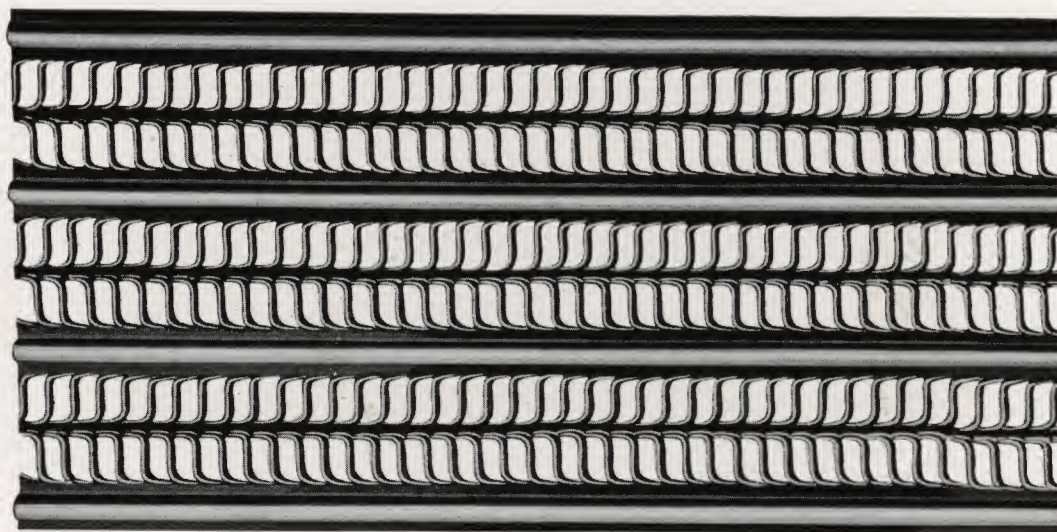
Sheets are fully expanded between ribs from end to end and corner to corner, the special flat rib permitting quick alignment of sheets with a minimum of lapping. The only side lapping required is that of one rib over another while an end lap of 1 inch is usually satisfactory. This means the utmost economy in material.

The results of extensive tests on this lath indicate greatest possible satisfaction from its use. Its low cost and plaster-saving features make reinforced plastering practical where expense must be figured closely; make it practical also without sacrifice of strength or rigidity, fireproofing or crackproofing. Hence the increasing popularity of this lath.



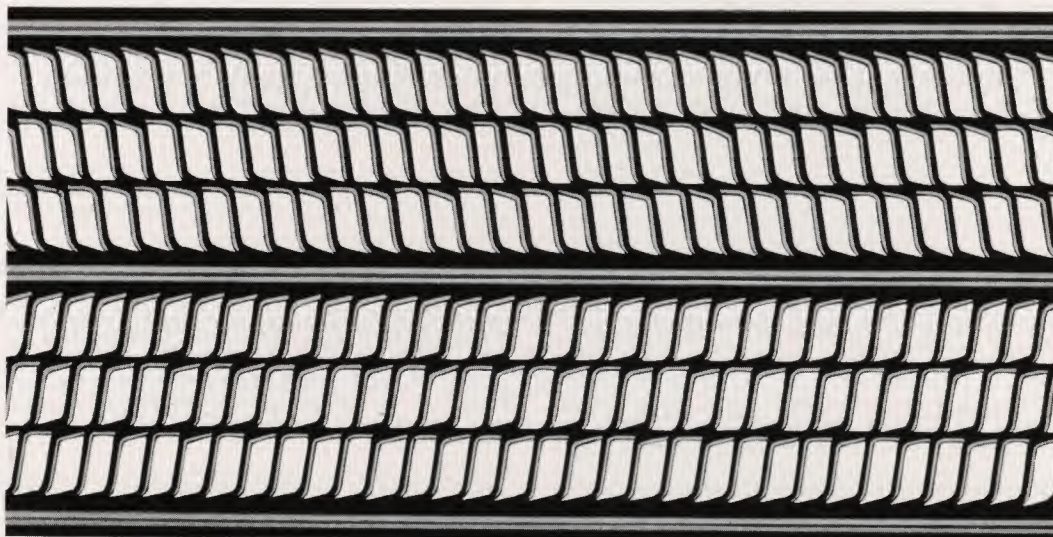


## Wheeling Fireproof Building Materials



### 2-MESH FLAT RIB METAL LATH

Sheets are 24 x 96 inches, one and seven-ninths square yards per sheet. Packed in bundles of 9 sheets—16 square yards. Supplied Painted Black, weights 2.75 pounds, 3.0 pounds, 3.4 pounds, and 4.0 pounds per square yard. Also cut from Pure Zinc Coated Sheets, weight 3.6 pounds per square yard. Made from COP-R-LOY or Open Hearth Steel



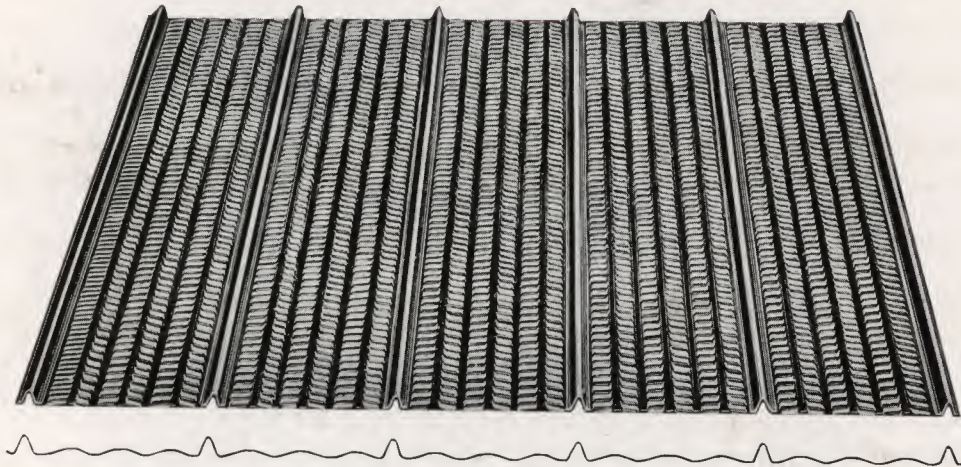
### 3-MESH FLAT RIB METAL LATH

Sheets are 24 x 96 inches, one and seven-ninths square yards per sheet. Packed in bundles of 9 sheets—16 square yards. Supplied Painted Black, weights 2.75 pounds, 3.0 pounds, 3.4 pounds, and 4.0 pounds per square yard. Also cut from Pure Zinc Coated Sheets, weight 3.6 pounds per square yard. Made from COP-R-LOY or Open Hearth Steel





## Wheeling Fireproof Building Materials



### 3/8-INCH RIB METAL LATH

A rib lath that permits wider spacing  
of studs and joists

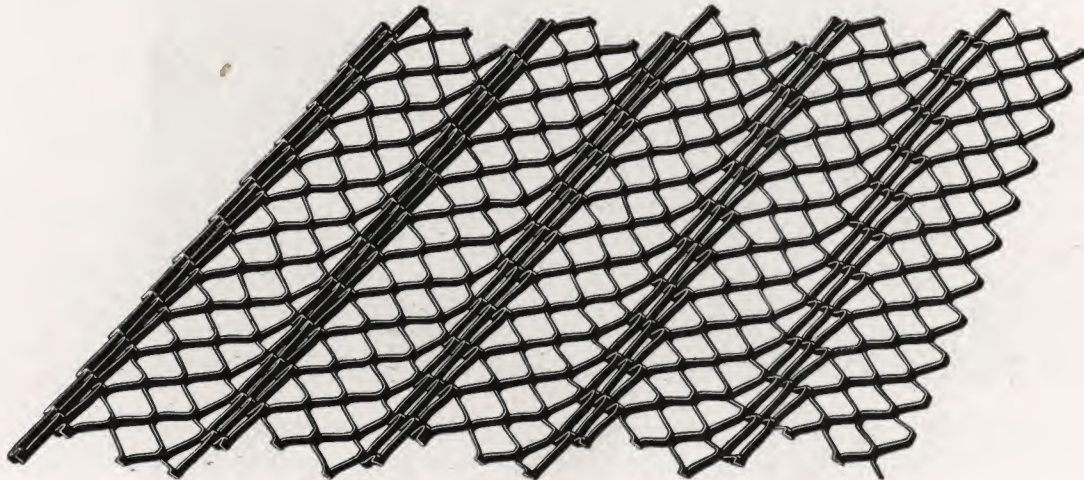
Sheets are 24 x 96 inches, one and seven-ninths square yards per sheet. Packed in bundles of 9 sheets—16 square yards. Supplied Painted Black, weights 2.75 pounds, 3.0 pounds, 3.4 pounds, and 4.0 pounds per square yard. Also cut from Pure Zinc Coated Sheets, weight 3.6 pounds per square yard. Made from COP-R-LOY or Open Hearth Steel

**H**ERE is an exceptionally stiff lath which permits wider spacing of studs and joists. The heavy  $\frac{3}{8}$ -inch ribs, spaced 4.8 inches center to center, with five stiffening members between ribs as reinforcing for the connecting strands, furnish great rigidity. Ideal for all purposes where a self-furring lath is required and savings both in channels and labor are effect-

ed in suspended ceilings and like construction. Wheeling  $\frac{3}{8}$ -inch Rib Lath is particularly suitable for both walls and ceilings, and is especially recommended for use in connection with metal lumber and bar joist construction. Its use speeds up the placing of the concrete in the floor slabs and eliminates the necessity of using separate furring rods.



## Wheeling Fireproof Building Materials



### CORRUGATED SELF-FURRING METAL LATH

Economical for exterior stucco  
No furring required

Sheets are 27 x 96 inches, two square yards per sheet. Packed in bundles of 10 sheets—20 square yards. Supplied either Painted Black or cut from Pure Zinc Coated Sheets, in the same weights as Diamond Mesh Lath. Made from COP-R-LOY or Open Hearth Steel

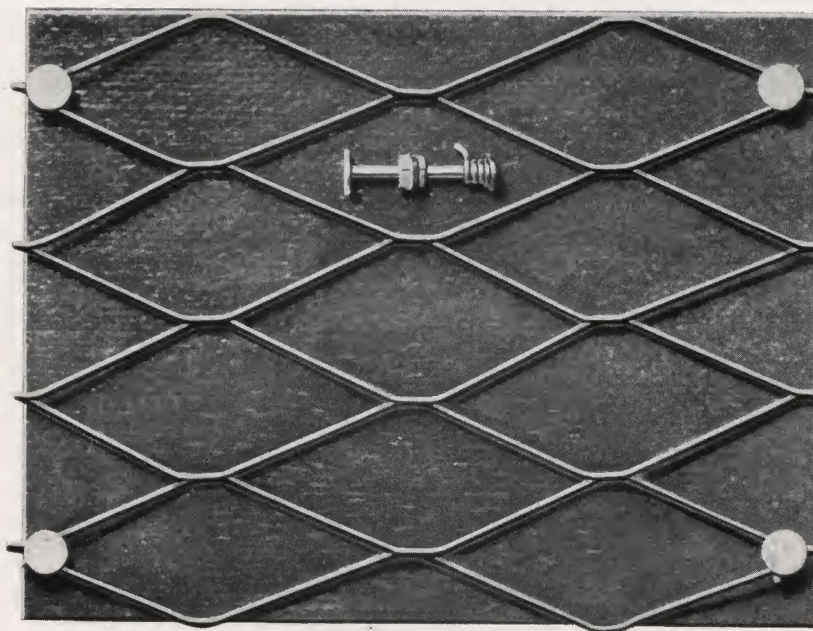
**T**HIS is a popular self-furring metal lath for exterior stucco where the lath is applied over wood sheathing. This lath eliminates the necessity of using furring strips. The corrugations, spaced 2 inches apart running parallel with the length of the sheet, insure application of the correct thickness of stucco and thoroughly reinforce the stucco from all angles. The corrugations also permit the lath to extend from the background sufficiently to provide a perfect key. The mechanical bond be-

tween the lath and mortar is of such character that the metal is completely embedded and therefore protected from corrosion, which is particularly desirable in stucco work.

For over-coating frame houses, Wheeling Corrugated Self-Furring Metal Lath can be applied directly over weatherboard siding and can be plastered the same as on new construction. Such stuccoed walls, reinforced with this lath, are as fire-safe as any masonry veneered frame house.



## Wheeling Fireproof Building Materials



### STUCCO MESH

**Wheeling Stucco Mesh meets the requirements of the Portland Cement Association and the U. S. Department of Standards**

Sheets are 48 x 96 inches, three and five-ninths square yards. Packed in bundles of 10 sheets— $35\frac{5}{9}$  square yards. Supplied Painted Black, weights 1.8 pounds and 3.6 pounds per square yard. Made from Open Hearth Steel

**W**HEELING Stucco Mesh as a reinforcement provides ample strength to resist natural expansion and contraction of stucco.

This binder, a diamond mesh fabric, also has other features admirably fitting it for use where permanent stuccoed surfaces are es-

sential. Along with temperature variation, stress is also caused by vibration, weight and shock, and unless reinforcement is adequately provided, cracks are inevitable. Wheeling Stucco Mesh supplies this much needed reinforcement and protection.

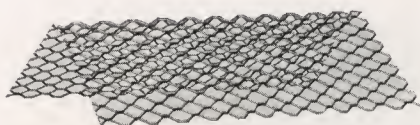
### BURIAL VAULT MESH

**F**OR use in the manufacture of burial vaults. It is expanded lath with somewhat larger than standard diamond mesh. Sheets are 24 x 96 inches, one and seven-ninths square

yards per sheet. Packed in bundles of 9 sheets—16 square yards. Furnished Painted Black or Unpainted, weight 3.4 pounds per square yard. Made from Open Hearth Steel.



# Wheeling Fireproof Building Materials



## CORNER LATH

Wheeling Corner Lath is recommended for corner protection, especially over wood lath and should be used to reinforce all inside plaster corners. Made from painted Diamond Mesh Lath. Corners are 2 x 2 x 96 inches, 3 x 3 x 96 inches, and 4 x 4 x 96 inches. Packed in securely wired bundles of 25 pieces, 600 lineal feet per crate, shipping weights are 132 lbs. for 2" x 2", 143 lbs. for 3" x 3", and 152 lbs. for 4" x 4" per 1000 feet.

## STRIP LATH

Wheeling Diamond Mesh Lath cut into strips 3 x 96 inches or 6 x 96 inches. Packed in bundles of 25 pieces each, 600 lineal feet to the crate. Shipping weights are 60 lbs. for 3-inch, and 120 lbs. for 6-inch per 1000 feet.

## SPECIAL LATHER'S TIE WIRE

Double annealed galvanized Tie Wire specially suitable for tying metal lath is furnished in hanks, coils and in boxes. Straightened and cut to length.

Hank. . . (doubled) 46 inches; 25 pounds  
Box. . . . (straight) 20 inches; 25 pounds  
Coil. . . . . 100 pounds



Hank

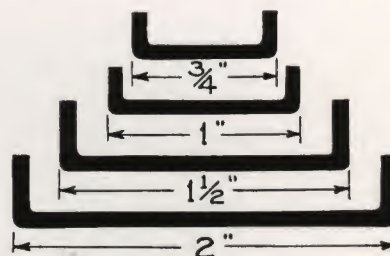


## STUCCO FURRING NAILS

Special Zinc Coated Furring Nails 1½ inches long used in applying stucco mesh or metal lath when used for stucco work. Packed 1000 nails per box.

## METAL LATH STAPLES

Bright, blued, or zinc coated.  
Made from No. 14 gauge wire.  
Sizes: 1-, 1⅛-, 1¼-, and 1½-inch.  
Packed in kegs. Net weight 100 pounds.



## CHANNELS

Wheeling Cold Rolled Channels are designed for suspended ceiling construction, solid and hollow partitions and similar uses. Sizes are ¾, 1, 1½, and 2 inches, made from 16-gauge steel either plain or painted, weighing respectively 276 pounds, 332 pounds, 442 pounds, and 553 pounds per thousand lineal feet. Stock lengths are 16 and 20 feet. ¾- and 1-inch channels are packed 25 pieces to the bundle; 1½- and 2-inch channels are packed 10 pieces to the bundle.

## PENCIL ROD FURRING



¼- and ⅜-inch round rods. Stock lengths 16 feet.

## STUB NAILS

Wheeling Stub Nails are given a special hardening so that they can be driven into concrete.



½-inch Flat Head packed in bags of 2000 nails, weight 6 pounds per bag; 1-inch Flat Head packed 1000 nails per bag, weight 5¼ pounds per bag. Each bag contains a wire holder to facilitate driving nails. Also supplied in 100-pound kegs.

## HOOK HEAD METAL LATH NAILS

This is a 1⅛-inch, No. 12 bright smooth nail with a long, thin, flat head especially suited for applying metal lath. Can also be furnished blued or zinc coated and in other lengths. Approximate count per pound, bright or blued, 278; zinc coated, 213. Packed in kegs. Net weight 100 pounds.





# Wheeling Fireproof Building Materials

## METAL CORNER PROTECTION

**D**AMAGED corners may mar the appearance of an entire room and the failure to use a corner bead very often spoils an otherwise acceptable plaster job. Inasmuch as plaster corners, when unprotected, are easily chipped and cracked it is wise economy to use a corner bead of a type or size that will amply meet the requirements.



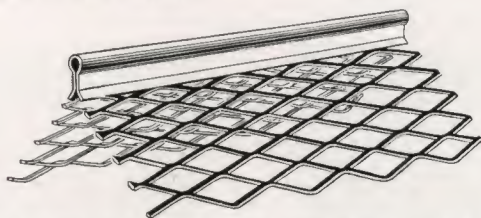
### FLAT APRON CORNER BEAD

A strong, rigid corner bead accurately formed and made exclusively from pure zinc coated COP-R-LOY. Makes a straight and strong outside corner, preventing chipping and cracking. Made in 6-, 7-, 8-, 9-, 10- and 12-foot lengths, shipped 10 pieces to the bundle.



### SCALLOPED EDGE CORNER BEAD

Designed to give full protection to plastered corners and to allow flexibility in the application. The flange or apron is deep, and good nailing surface is provided. It insures straight edges and completely bonded plaster. Made exclusively from pure zinc coated COP-R-LOY Sheets in 6-, 7-, 8-, 9-, 10- and 12-foot lengths. Shipped 10 pieces to the bundle.



### EXPANDED APRON CORNER BEAD

With a rigid and straight bead to make perfect corners there is also a depth to the aprons to afford ground on which to work. Apron, of expanded type, permits full flexibility in the application over uneven surfaces. Plaster keys perfectly with this bead.

Made in 6-, 7-, 8-, 9-, 10- and 12-foot lengths, from pure zinc coated COP-R-LOY Sheets, shipped 10 pieces to the bundle. Crated weight per 1000 lineal feet is 230 pounds.



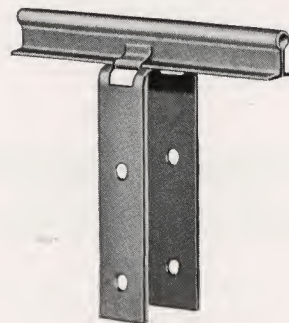
No. 1



No. 2

### BULL NOSE CORNER BEAD

Where it is advisable to supply broad reinforcing to a plaster corner the  $\frac{3}{4}$ -inch radius of the curved Bull Nose Bead is most practical. Made exclusively of No. 26-gauge pure zinc coated COP-R-LOY in two styles: No. 1 short wing; No. 2 wide wing; in 6-, 7-, 8-, 9-, 10- and 12-foot lengths. 10 pieces to the bundle. Shipping weights No. 1—225 pounds, No. 2—300 pounds per 1000 feet.



### T-RAIL BEAD

Wheeling T-Rail Bead is adjustable to any depth grounds. Clips may be fastened at any point. One clip is furnished for each foot of T-Rail Bead.

Made of 26-gauge pure zinc coated COP-R-LOY 6-, 7-, 8-, 9-, 10- and 12-foot lengths.



# Wheeling Fireproof Building Materials



## STRAIGHT POINT BASE SCREED

Wheeling Straight Point Base Screed, made exclusively of pure zinc coated COP-R-LOY, eliminates temporary wood construction and plaster patching as plastered wall and cement flooring can be uniformly joined without cracks. In dividing two plastic materials its advantages are obvious. Made in 10- and 12-foot lengths.



## CURVED POINT BASE SCREED

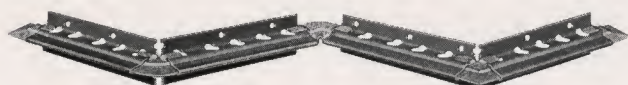
This type of screed can be used with any plastic form of base, including terrazo, cement or composition. Fully protects top of base against damage. It is made exclusively of No. 26 gauge pure zinc coated COP-R-LOY in 10-foot lengths. Shipping weight, 175 pounds per 1000 lineal feet.

## HALF MITRES FOR BULL NOSE CORNER BEAD



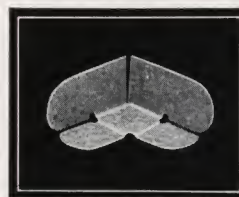
The half mitre simplifies making square corners when Bull Nose Bead is used as a casing around window and door openings. The half mitre is fitted into the vertical sections only and the slant cut fitted over the horizontal members making a tight corner.

The beads for the top and bottom pieces are cut to length to fit tight into the openings, and the bead for the sides cut to length so when fitted with the half mitre will fit snugly over the top and bottom members.



Showing Application of Base Screed Fittings

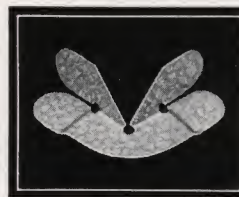
## FITTINGS FOR STRAIGHT AND CURVED POINT BASE SCREED



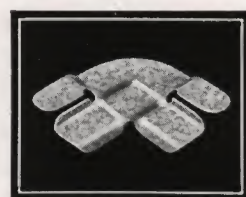
No. 100  
Internal Corner for Straight Point  
Base Screed



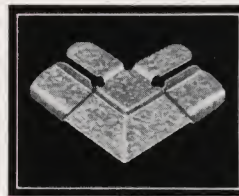
No. 101  
External Square Corner for  
Straight Point Base Screed



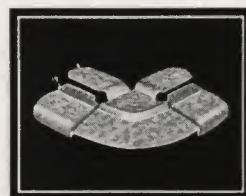
No. 102  
External Round Corner for  
Straight Point Base Screed



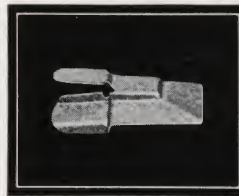
No. 103  
Internal Corner for Curved Point  
Base Screed



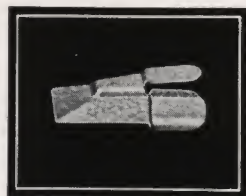
No. 104  
External Square Corner for  
Curved Point Base Screed



No. 105  
External Round Corner for  
Curved Point Base Screed



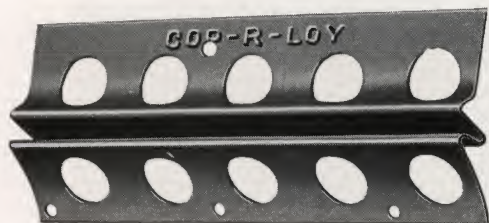
No. 106  
Right End Stop for Curved Point  
Base Screed



No. 107  
Left End Stop for Curved Point  
Base Screed

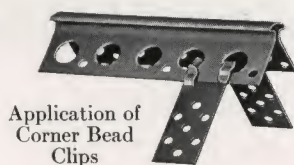
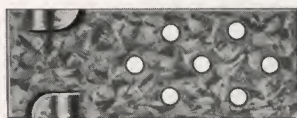


## Wheeling Fireproof Building Materials



### PICTURE MOLD

Metal picture mold offers advantages heretofore unattainable from any other material. Wheeling Picture Mold sustains great weight yet exposes the least amount of metal, being practically invisible. Made exclusively of No. 26 gauge pure zinc coated COP-R-LOY in 10-foot lengths. Weighs 236 pounds per 1000 lineal feet.



Application of  
Corner Bead  
Clips

### CORNER BEAD CLIPS

Especially designed for use with Wheeling Flat Apron and Bull Nose Corner Beads when applied on brick, tile and concrete. Easily adjusted and holds bead firmly, giving good nailing surface. Snap on apron at any point. Made in two sizes: 3- and 4½-inch from No. 26-gauge pure zinc coated or Black Steel Sheets and packed 1000 pieces to the box.



### ZIG ZAG WALL TIES

The Standard Zig Zag Wall Tie shown here is ⅞ inch wide and 7 inches long. Made of pure zinc coated steel. It is corrugated its entire length, assuring a firm grip and equal pull on the mortar in all directions. Each tie is punched with two holes making it suitable for either solid or veneered brick walls. Packed in cartons of 1000. Shipping weight 29 pounds.

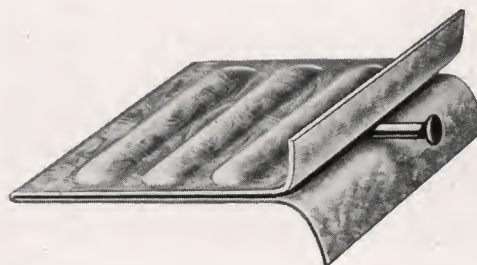


### CRESCENT WALL TIES

The Standard Crescent Wall Tie illustrated above is ⅞ inch wide and 7 inches long with curved corrugations, which securely grip the mortar. Made of pure zinc coated steel. Ties are punched with two holes making them suitable for either solid or veneered brick walls. Packed 1000 to the carton, weight 32 pounds.

### SPECIAL WALL TIES

These Wall Ties are used for heavy construction, are inexpensive and are made in various sizes and weights to suit specifications. Furnished in either plain black or pure zinc coated steel.

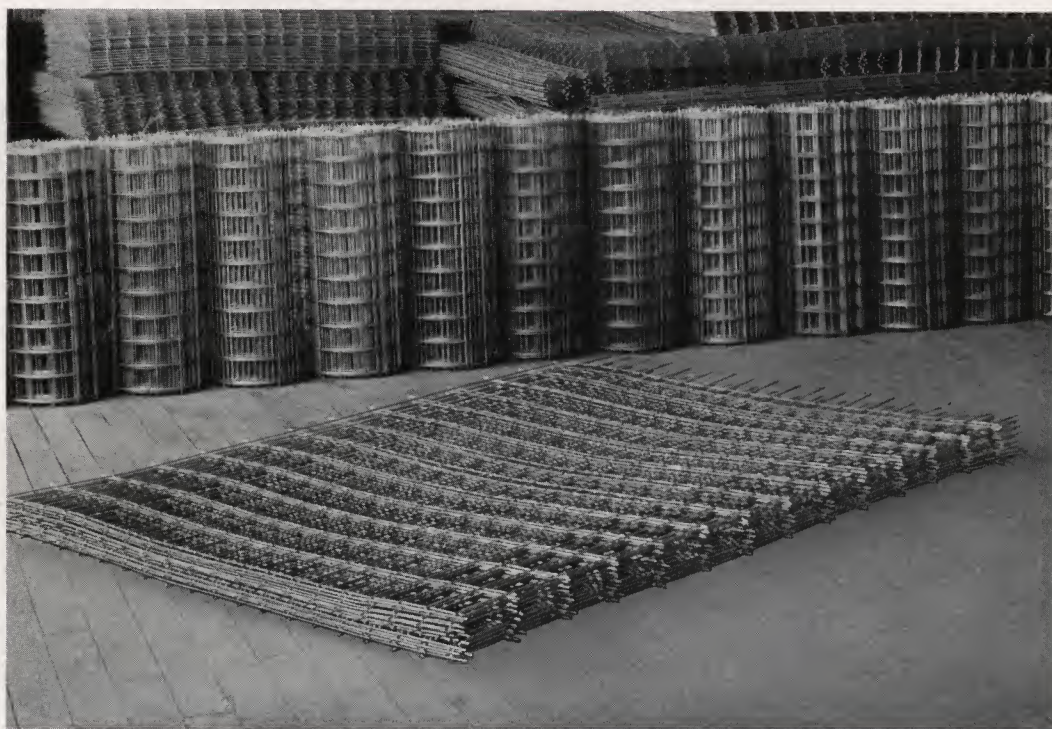


### WALL PLUGS

Wheeling Wall Plugs are all-metal and cannot shrink, deteriorate or decay. Their corrugations hold a vise-like grip on the nail. They are rapidly displacing the use of inefficient wood strips or dowels for attaching wood trim and furring to masonry walls. Quickly embedded in the mortar joint by the mason when laying the wall and save carpenter's time in nailing up the trim. Made of pure zinc coated steel. Sides closed to prevent entry of wet mortar. Length 2½ inches; width 2¼ inches. Packed 500 to a carton. Shipping weight 48 pounds.



## Wheeling Fireproof Building Materials



### ELECTRIC WELDED WIRE FABRIC

**W**HEELING Welded Wire Fabric provides an ideal reinforcement for concrete floors in building construction and also for roads, pavements, sidewalks, concrete pipe and many other places where a light reinforcement is required. It makes excellent reinforcement for fireproofing structural beams and columns. A wide variation of weights and area of steel can be secured by varying the size and spacing of the wires. This flexibility makes Wheeling Welded Wire Fabric a most popular type of reinforcing.

The use of Welded Wire Fabric minimizes the cost of field labor. The convenient rolls or sheets can be quickly laid in place without tying and the electric weld at the bond assures that there will be no displacement when the material is installed.

**Rolls or Sheets:** Wheeling Welded Wire Fabric can be furnished either in rolls or flat sheets

in widths up to 120 inches. It is necessary that fabric having No. 3 gauge or heavier longitudinal wires be shipped in flat sheets. Dimensions of sheets limited only by shipping limits.

Rolls may be had in any desired length not exceeding 150 feet for the heavy styles, 200 feet for the medium, and 400 feet for light weight fabric.

**Plain or Zinc Coated:** Wheeling Welded Wire Fabric can be furnished either plain or zinc coated. Plain fabric will always be shipped unless otherwise specified. Made of COP-R-LOY wire when specially ordered.

Wheeling Welded Wire Fabric is made at the Portsmouth, Ohio, plant from rods and wire rolled and drawn in the same plant. Controlling the entire process, uniform quality is assured.



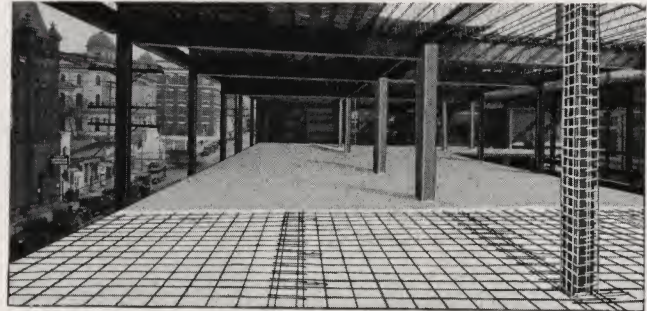


# Wheeling Fireproof Building Materials

## ELECTRIC WELDED WIRE FABRIC

### FOR BEAMS AND COLUMNS

**T**O PROTECT beams, columns, girders, and other loadbearing members, in conformity with fireproofing practice, Wheeling Welded Wire Fabric is available in the correct styles adaptable to necessary shapes for reinforcement of thin layers of concrete.



### FLOOR SLABS

**F**OR sidewalks, pavements, floors and ramps Wheeling Welded Wire Fabric offers every advantage of a suitable reinforcing material. There are sufficient styles to effect distribution of any desired load over wide areas and to economically meet the requirements of practically any type of floor slab.



TABLE OF SIZES MOST GENERALLY USED

Styles	Spacing of Wire Inches		Gauge Numbers		Sectional Area Square Inches per Foot Width		Weights per 100 sq. ft.
	Long.	Trans.	Long.	Trans.	Long.	Trans.	
216-1/7	2	16	1	7	.377	.018	139
216-2/8	2	16	2	8	.325	.015	119
216-3/8	2	16	3	8	.280	.015	104
216-4/9	2	16	4	9	.239	.013	89
216-5/10	2	16	5	10	.202	.011	75
216-6/10	2	16	6	10	.174	.011	65
316-2/8	3	16	2	8	.217	.015	83
316-3/8	3	16	3	8	.187	.015	72
316-4/9	3	16	4	9	.160	.013	61
316-5/10	3	16	5	10	.135	.011	52
316-6/10	3	16	6	10	.116	.011	45
316-7/11	3	16	7	11	.098	.009	38
416-3/8	4	16	3	8	.140	.015	56
416-4/9	4	16	4	9	.120	.013	48
416-5/10	4	16	5	10	.101	.011	40
416-6/10	4	16	6	10	.087	.011	35
416-7/11	4	16	7	11	.074	.008	30
412-8/12	4	12	8	12	.062	.009	26
412-9/12	4	12	9	12	.052	.009	22
412-10/12	4	12	10	12	.043	.009	19
412-11/12	4	12	11	12	.034	.009	16
412-12/12	4	12	12	12	.026	.009	13
612-0/6	6	12	0	6	.148	.029	65
612-5/5	6	12	5	5	.067	.025	37
612-6/6	6	12	6	6	.058	.058	32
612-7/7	6	12	7	7	.049	.049	27
66-6/6	6	6	6	6	.058	.058	42
66-7/7	6	6	7	7	.049	.049	36
66-8/8	6	6	8	8	.041	.041	30
66-9/9	6	6	9	9	.035	.035	25
66-10/10	6	6	10	10	.029	.029	21
66-12/12	6	6	12	12	.017	.017	13

For information on sizes and weights of fabric not shown in this table, write nearest branch



## Wheeling Fireproof Building Materials



Patents Pending

### THE NAILOCK SYSTEM FOR CEILINGS AND NON-BEARING PARTITIONS

The NAILOCK SYSTEM is a method by which any material commonly used as a plaster base or any standard form of insulation can be nailed to steel studs and furring . . . . .

**I**T PROVIDES a quicker and surer means of attaching Metal Lath or Gypsum Lath to steel studs and furring in partition and ceiling construction.

It permits the use of insulation on fireproof construction and provides a more economical method of furring for ornamental plaster, false beams or pilasters, pipe chases and ducts.

Studs assembled complete, ready for erection, in which the basic feature of the NAILOCK STRIP is incorporated are furnished in the correct lengths for the height of the partitions for 2-, 4- and 6-inch walls. The field labor is therefore reduced to a minimum and the frame work is *strong, rigid and permanent*.

Stud units are composed of two NAILOCK STRIPS spaced the necessary distance apart to make the



The Nailock Stud

required thickness of partition. The spacers serve to brace the stud and the entire assembly is welded together so that the danger of loose or broken ties is eliminated.

Studs have an adjustable feature which provides for an increase in length of 5 inches so that cutting and fitting on the job are reduced to the minimum.

The method of anchoring the stud at the floor and ceiling is simple and effective. The studs can be plumbed and lined up quickly.

The special nails used for fastening the lath provide a rivet grip that cannot be broken; the danger of wire ties rusting and permitting the base to become loose is avoided—there is no possibility of the nails in the NAILOCK SYSTEM becoming loose and the



## Wheeling Fireproof Building Materials



No special framing is required around door and window openings



Wood grounds for chair rail and base board are nailed direct to Nailock stud



Hollow partitions are more quickly and easily erected with Nailock studs



Completely assembled Nailock corner studs are as easy to erect as the wall studs

fact that they are sealed in the strip prevents their corrosion. The flat heads of the nails make them easy to plaster over and save time and material as there are no obstructions to the movement of the trowel.

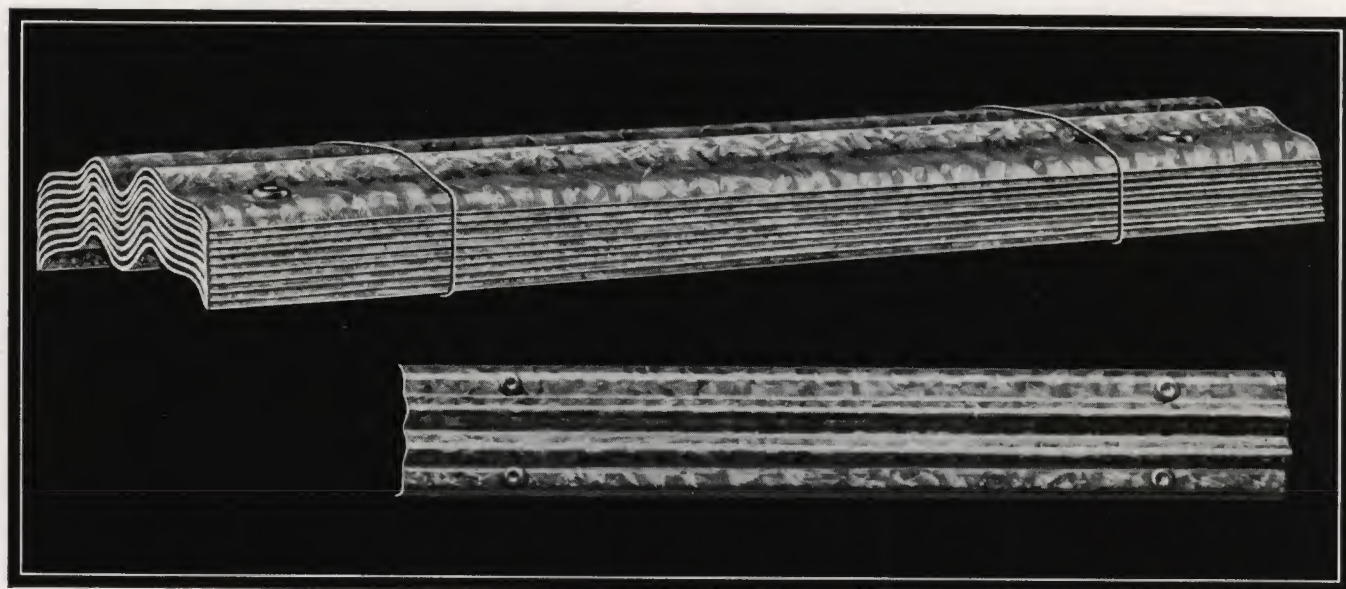
All parts and accessories used in the NAILOCK SYSTEM, including sanitary blued nails of special design are made of COP-R-LOY. Thus the

development of this new and far-reaching system has been carried even to the point of assuring more than average life to the units themselves and to their performance in completed partitions and ceilings.

Complete details of the NAILOCK SYSTEM *with short form specifications* are given in a special bulletin which will be sent on request.



## Wheeling Fireproof Building Materials



### BATTEN STRIPS

Made from pure zinc coated (Galvanized) COP-R-LOY  
or Open Hearth Steel Sheets

Lengths—6, 7, 8, 9 and 10 feet

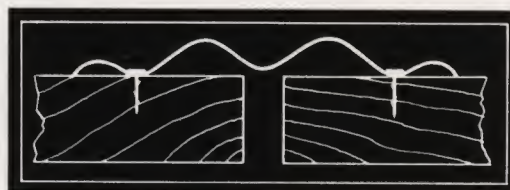
Packing—Put up in crates containing approximately 1000 feet

**W**HEELING Batten Strips are an economical weather proofing for barns, stables, garages and similar frame structures where the outside boarding or siding is applied vertically. This style of batten has displaced other kinds of strips as they do not warp or split. They are applied in the usual position,

the operation of nailing drives the edges of the strips into the wood providing perfect protection against the weather. Expansion and contraction are fully taken care of in the special design of the strip—see diagrams below—the channel metal accommodating itself to any degree of shrinkage.



Showing joint closed when strip is applied



Showing joint opened with strip expanded



# Wheeling Fireproof Building Materials



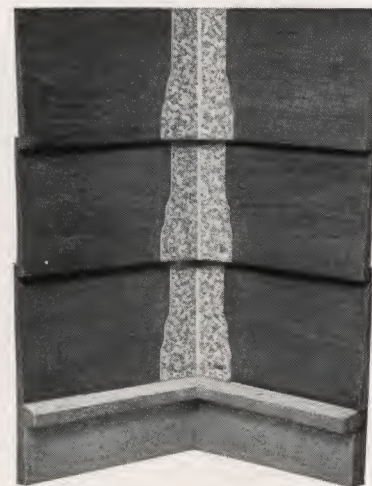
Application of outside corner shields on lap siding



Outside corner shield for lap siding



Inside corner shield for lap siding



Application of inside corner shields on lap siding

## CORNER SHIELDS

**W**HEELING Corner Shields, for both inside and outside corners, afford a water-tight protection and finish for lap or drop siding. They extend along the weatherboarding about two inches eliminating the necessity of mitering the corners. Made to fit tightly, they are accurately shaped to fit over the ends of the

siding and are pierced with nail holes for easy application. An effective weather-proof finish that strengthens the corners and adds to the appearance of the building on which they are used. Stamped from pure zinc coated steel sheets and packed in convenient cartons ready for immediate use.

### FOR WEATHERBOARD OR LAP SIDING

Numbers	Heights	Bases	Numbers	Heights	Bases
35 O.S.	3½ in.	1½ in.	85 O.S.	8½ in.	¾ in.
35 I.S.	3½ in.	1½ in.	85 I.S.	8½ in.	¾ in.
45 O.S.	4½ in.	1½ in.	105 O.S.	10½ in.	¾ in.
45 I.S.	4½ in.	1½ in.	105 I.S.	10½ in.	¾ in.
55 O.S.	5½ in.	1½ in.	125 O.S.	12½ in.	¾ in.
55 I.S.	5½ in.	1½ in.	125 I.S.	12½ in.	¾ in.
65 O.S.	6½ in.	1½ in.			
65 I.S.	6½ in.	1½ in.			

Can furnish No. 85 with ½-inch base when so ordered.

All sizes packed 250 per carton and four cartons shipped in a slat crate.

### FOR DROP SIDING

Number	Height	Base
155 O.S.	5½ inches	½ inch

Packed same as corners for lap siding.



Outside corner shield for drop siding



Application of outside corner shields on drop siding





## Wheeling Fireproof Building Materials



### COAL DOORS

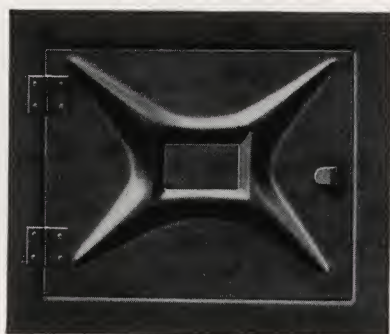
**W**HEELING Coal Doors provide a safe and convenient means for delivery of coal. Made entirely and exclusively of COP-R-LOY painted black. They are strong, sturdy and constructed to operate under all conditions. Nothing to get out of order and strong enough

to stand the abuse a coal door usually receives. Completely assembled ready for the mason to install in brick, block, stone, or concrete foundations. Made in two weights: 30 pounds each, and 40 pounds each. Wheeling Coal Doors are shipped singly, uncased.

### SPECIFICATIONS

Door opening 22 inches wide, 16 inches high;  
Overall dimensions of frame 27 inches wide,  $21\frac{1}{4}$  inches high;  
Depth of apron 9 inches; height  $15\frac{1}{2}$  inches, width  $21\frac{3}{4}$  inches.  
*Note:* On special orders doors can be fitted with any depth of apron.

### ASHPIT AND CLEANOUT DOORS



**A**SHPIT and Cleanout Doors are necessary conveniences for every home. Made of COP-R-LOY, painted black. The larger sizes installed at the base of ash chutes provide easy access to remove ashes. Smaller sizes installed under smoke pipe make the removal of soot a matter of ease and cleanliness.

Sizes: 6 x 8 inches      8 x 8 inches  
8 x 10 inches      10 x 12 inches  
Packed in cartons of six doors of a size.





## Wheeling Fireproof Building Materials



### MORTAR AND BRICK HODS

**W**HEELING Mortar and Brick Hods are made for long service. The broad bottoms and rounded edges assure comfortable riding on the shoulder. Made exclusively of

heavy gauge rust-resisting COP-R-LOY with folded reinforced edges and seams spot-welded to form one complete leak-proof unit. Strong clamp and bolt hold handles securely in place.

#### MORTAR HODS

Length . . . . . 22 inches  
Top . . . . . 13 inches  
Depth . . . . . 11 inches

Painted red with natural color ash handles.  
Packed 3 to a bundle, knocked down.

#### BRICK HODS

Length . . . . . 22½ inches  
Depth . . . . . 7½ inches

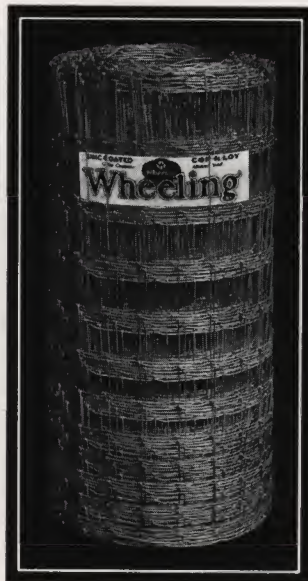
Painted red with natural color ash handles.  
Packed 3 to a bundle, knocked down.





## Wheeling COP-R-LOY Farm Fence

**W**HEELING COP-R-LOY Farm Fence is designed to meet the many requirements and conditions of fencing known to the farmer and stockman, rancher, truck gardener, poultry raiser and others. It is a "mine to market" product as are all products bearing the Wheeling trade-mark, supervised and controlled in its making from the mining of iron ore to the final



stretching up test at the factory. The Wheeling wire mills and looms constitute the most modern wire-making and wire-fabricating plant in America today. Resources, methods and materials, with manufacture by the one organization, the one company, account for the high standard of quality and efficiency of all Wheeling COP-R-LOY Zinc Coated Farm Fence.

### ALL WHEELING FARM FENCE

IS MADE OF

### COP-R-LOY

No greater steps toward perfection of durability in farm fence could be taken than in the adoption of COP-R-LOY for all Wheeling Farm Fence. (See page 13 for description of COP-R-LOY.) This metal imparts the same stubborn resistance to the elements that is possessed by hundreds of other products made of COP-R-LOY used out-of-doors.

#### ZINC COATED

The pure zinc coating of Wheeling COP-R-LOY Farm Fence is the result of long experience. Zinc coatings have been in use by this company, as a protection, first to iron products and then to those of steel throughout Wheeling's history. Wheeling is one of the oldest, if not the oldest, galvanizer in the country, and one of the largest consumers of pure zinc in the industry. Zinc protection of Wheeling COP-R-LOY Farm Fence is adequate for every need and its combination with the long lasting COP-R-LOY base provides *double* insurance against deterioration.

#### THE HINGE-JOINT



The knot is the most approved design, the Hinge-Joint type. It gives fullest flexibility with utmost strength. It is neatly formed with ends pressed in close to the line wires, thereby eliminating the ragged appearance so noticeable in some types of hinge

joint. The Hinge-Joint does not slip on line wires under ordinary tension. Test it out to your own satisfaction and demonstrate this feature to prospective buyers.

#### EXPANSION CURVES



To give the fence good, live tension at all times, special crimps or expansion curves of accurate uniformity are placed in the wire between Hinge-Joint. This special curve compensates for expansion and contraction that result from temperature changes.

#### FULL GAUGE WIRES

Actual sizes of wires used in the weaving of Wheeling COP-R-LOY Farm Fence are shown on this page. All wire is drawn from Wheeling-made rods of COP-R-LOY in Wheeling plants, insuring invariable Wheeling uniformity and distinctive quality.

	No. 9
	No. 10
	No. 11
	No. 12½
	No. 13
	No. 14½
	No. 15½
	No. 17
	No. 18

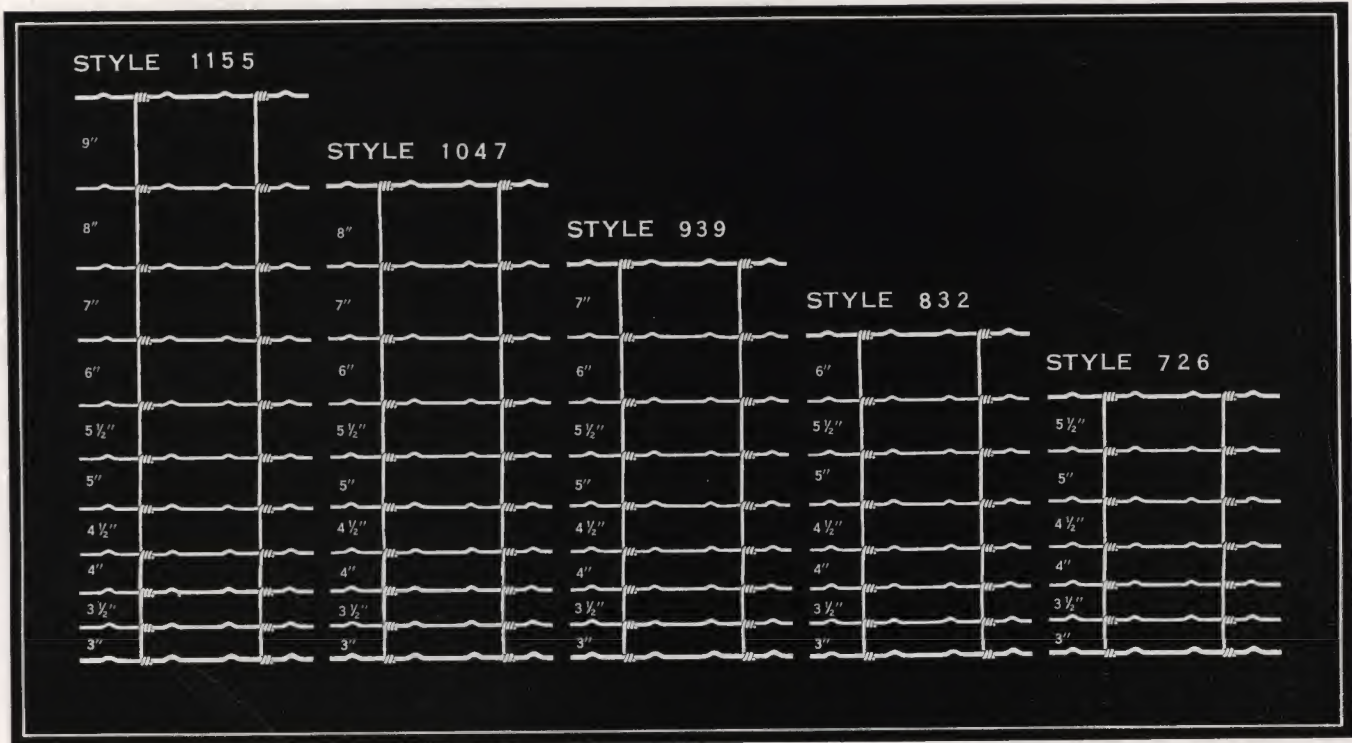




# Wheeling COP-R-LOY Farm Fence

Pure Zinc Coated (Galvanized)

THE DOUBLY PROTECTED FENCE



## HOG AND FIELD FENCE

Standard 20 and 40-rod rolls. (10-rod rolls 25c net extra per roll).

**T**HIS is an ideal farm fence for all general purposes. Made of full weight, full gauge COP-R-LOY wires, pure zinc coated for maximum durability under all conditions.

Supplied in five heights as shown above, designated as Style Nos. 1155, 1047, 939, 832 and 726, and in gauges and weights as outlined below:

### SPECIFICATIONS

Style No.	Number Line Wires	Approximate Height in Inches	APPROXIMATE WEIGHT PER ROD IN POUNDS AND GAUGE OF WIRE							
			SPEC. No. 9		SPEC. No. 11		SPEC. No. 12 1/2		SPEC. No. 14 1/2	
			12-inch Stays	6-inch Stays	12-inch Stays	6-inch Stays	12-inch Stays	6-inch Stays	12-inch Stays	6-inch Stays
1155	11	55	16.8	23.1	11.53	15.45	7.89	10.39	not made	not made
1047	10	47	14.98	20.37	10.34	13.70	7.11	9.32	not made	not made
939	9	39	13.21	17.80	9.19	12.04	6.35	8.17	not made	5.16
832	8	32	11.52	15.38	8.10	10.49	5.64	7.15	not made	4.44
726	7	26	9.91	13.12	7.06	9.04	4.95	6.21	not made	3.90
Gauge of Top Wire . . . . .			9	9	9	9	10	10	11	11
Gauge of Bottom Wire . . . . .			9	9	9	9	10	10	11	11
Gauge of Line Wire . . . . .			9	9	11	11	12 1/2	12 1/2	14 1/2	14 1/2
Gauge of Stay Wire . . . . .			9	9	11	11	12 1/2	12 1/2	14 1/2	14 1/2

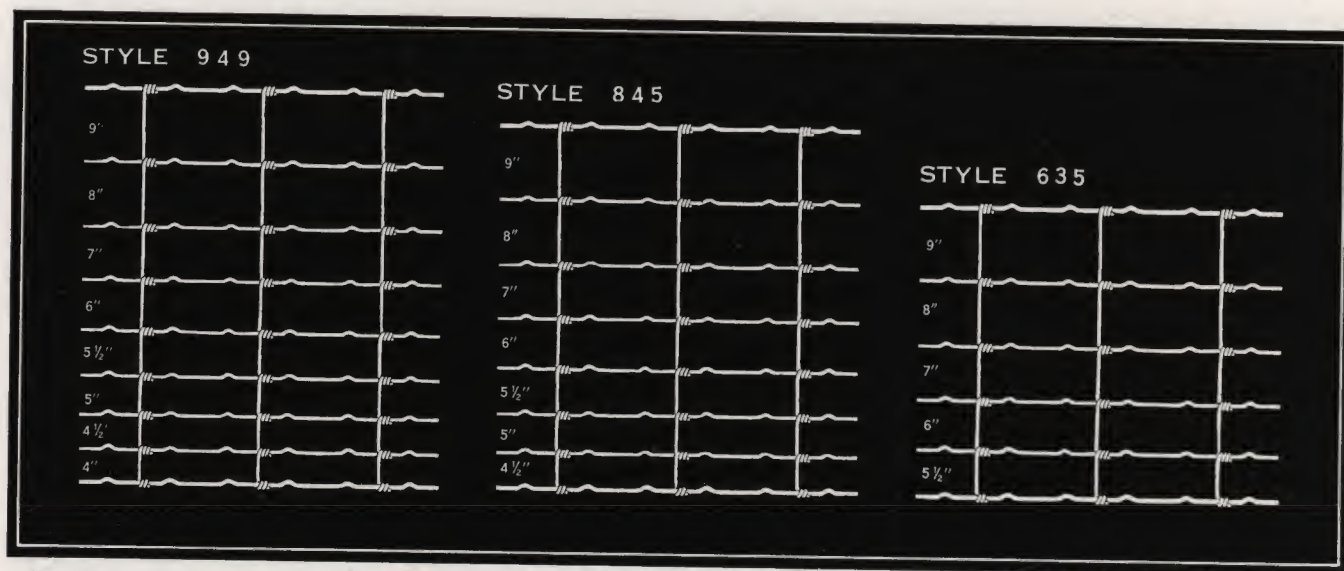




# Wheeling COP-R-LOY Farm Fence

Pure Zinc Coated (Galvanized)

THE DOUBLY PROTECTED FENCE



## HORSE, CATTLE AND SHEEP FIELD FENCE

Standard 20 and 40-rod rolls (10-rod rolls 25c net extra per roll).

**A**N EXCELLENT fence for enclosures occupied by large animals. Made of full weight, full gauge COP-R-LOY wires, pure zinc coated for maximum durability under all conditions.

They can be supplied in three heights as shown above, designated as Style Nos. 949, 845 and 635, and in gauges and weights as outlined below:

### SPECIFICATIONS

Style No	No. of Line Wires	Approximate Height Inches	APPROXIMATE WEIGHT PER ROD IN POUNDS AND GAUGE OF WIRE		
			SPEC. No. 9 12-inch Stays	SPEC. No. 11 12-inch Stays	SPEC. No. 12 1/2 12-inch Stays
949 . . . . .	9	49	13.96	9.70	6.72
845 . . . . .	8	45	12.61	8.82	6.14
635 . . . . .	6	35	9.54	6.84	4.83
Gauge Top Wire . . . . .			9	9	10
Gauge Bottom Wire . . . . .			9	9	10
Gauge Line Wire . . . . .			9	11	12 1/2
Gauge Stay Wire . . . . .			9	11	12 1/2

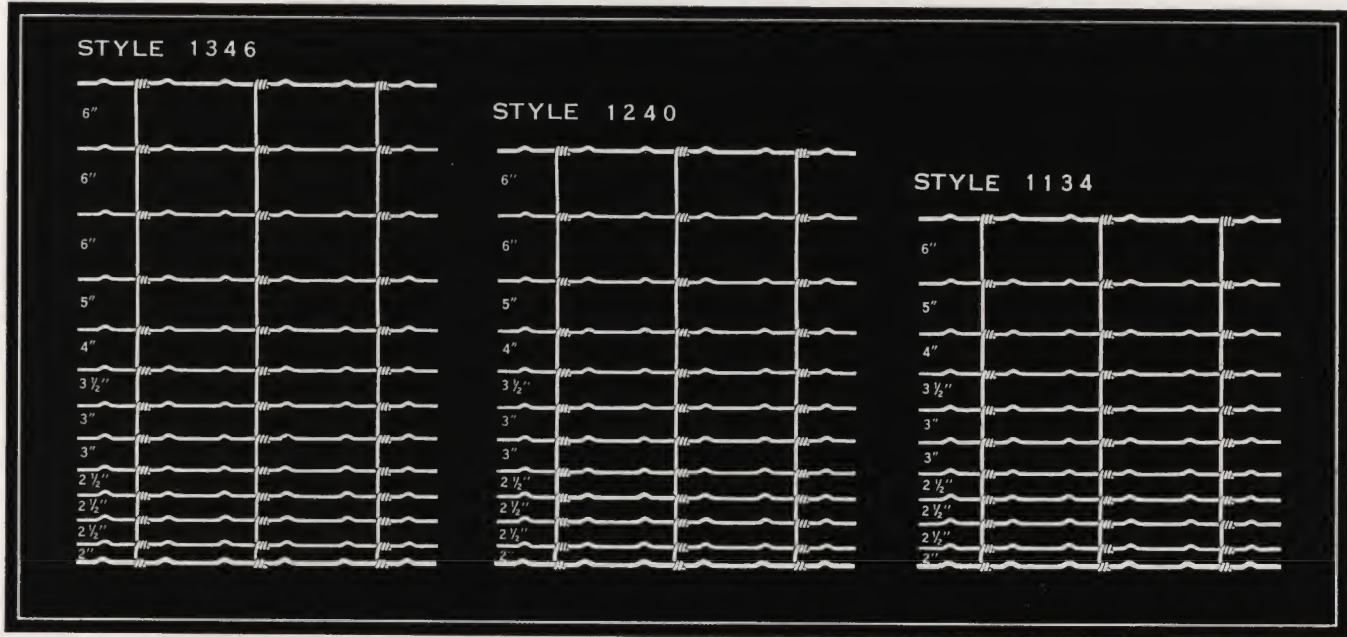




# Wheeling COP-R-LOY Farm Fence

Pure Zinc Coated (Galvanized)

THE DOUBLY PROTECTED FENCE



## CLOSE MESH HOG AND FIELD FENCE

Standard 20 and 40-rod rolls (10-rod rolls 25c net extra per roll).

**W**HEELING Close Mesh Hog and Field Fence is a closely spaced farm fence suitable for turning hogs, pigs or small animals, poultry, etc. Made of full weight, full gauge COP-R-LOY wires, pure zinc coated

for maximum durability under all conditions. They can be supplied in three heights as shown above, designated as Style Nos. 1346, 1240 and 1134, and in gauges and weights as outlined below:

### SPECIFICATIONS

Style No.	No. of Line Wires	Approximate Height Inches	APPROXIMATE WEIGHT PER ROD IN POUNDS AND GAUGE OF WIRE	
			SPECIFICATIONS 12 1/2 CM	
			12-inch Stays	6-inch Stays
1346 . . . . .	13	46	9.1	11.8
1240 . . . . .	12	40	8.4	10.7
1134 . . . . .	11	34	7.6	9.7
Gauge Top Wire . . . . .			10	10
Gauge Bottom Wire . . . . .			10	10
Gauge Line Wire . . . . .			12 1/2	12 1/2
Gauge Stay Wire . . . . .			12 1/2	12 1/2

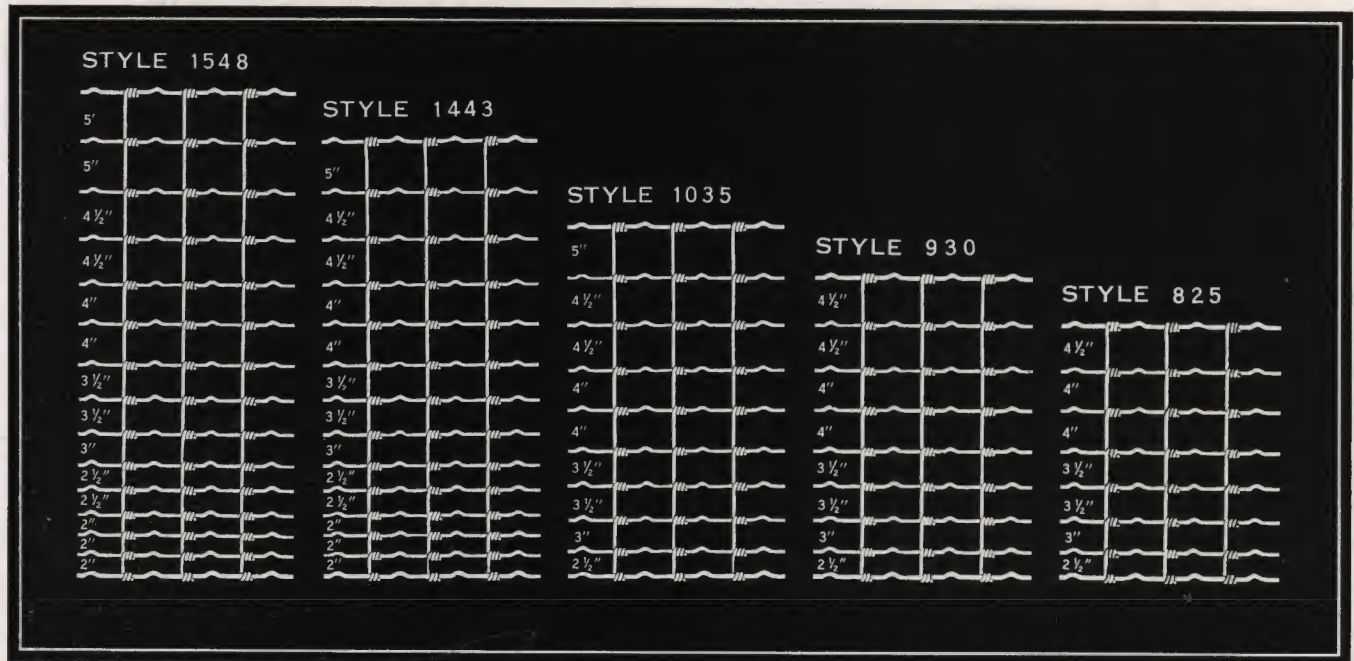




# Wheeling COP-R-LOY Farm Fence

Pure Zinc Coated (Galvanized)

THE DOUBLY PROTECTED FENCE



## TEXAS WOLF PROOF FENCE

Standard 20 and 40-rod rolls. (10-rod rolls 25c net extra per roll.)

**T**HIS is a close mesh, light weight field fence designed to meet the particular needs of the sheep and goat rancher. Made of full weight, full gauge COP-R-LOY wires, pure zinc coated for maximum durability under all con-

ditions. A very desirable style of fence for various sections of the country. Supplied in five heights as shown above, designated as Style Nos. 1548, 1443, 1035, 930 and 825, and in gauges and weights as outlined below:

### SPECIFICATIONS

Style No.	No. of Line Wires	Approximate Height Inches	APPROXIMATE WEIGHT PER ROD IN POUNDS AND GAUGE OF WIRE	
			SPECIFICATIONS No. 14 1/2 12-inch Stays	6-inch Stays
1548.	15	48	5.84	7.17
1443.	14	43	5.44	6.61
1035.	10	35	4.23	5.19
930.	9	30	3.84	4.65
825.	8	25	3.47	4.16
Gauge Top Wire.			11	11
Gauge Bottom Wire.			11	11
Gauge Line Wire.			14 1/2	14 1/2
Gauge Stay Wire.			14 1/2	14 1/2

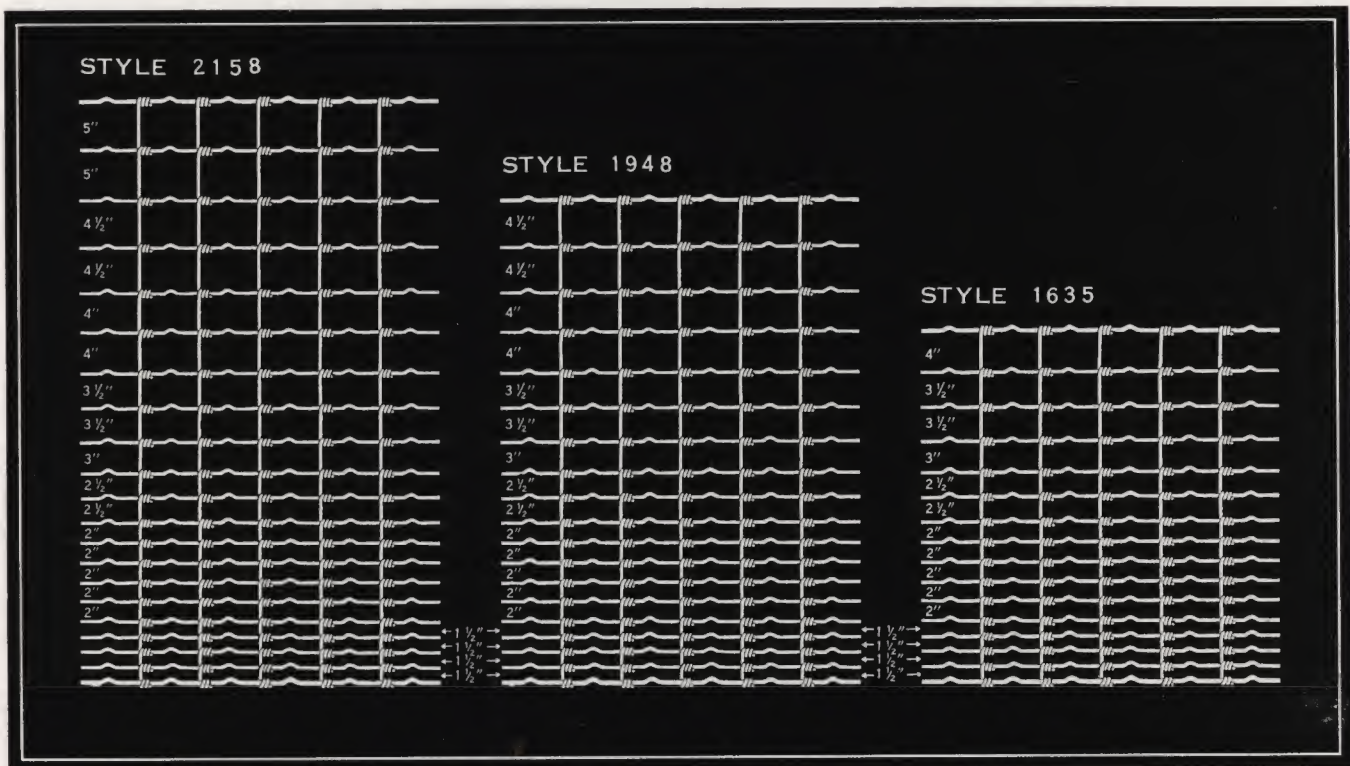




# Wheeling COP-R-LOY Farm Fence

Pure Zinc Coated (Galvanized)

THE DOUBLY PROTECTED FENCE



## POULTRY, RABBIT AND GARDEN FENCE

Standard 10 and 20-rod rolls. (No extra charge for 10-rod rolls).

**W**HEELING Poultry, Rabbit and Garden Fence is the perfect enclosure for orchards, gardens and chicken lots as it effectually turns small animals and fowls. Made of full weight, full gauge COP-R-LOY wires, pure zinc

coated for maximum durability under all conditions.

Supplied in three heights as shown above, designated as Style Nos. 2158, 1948, and 1635, and in gauges and weights as outlined below:

### SPECIFICATIONS

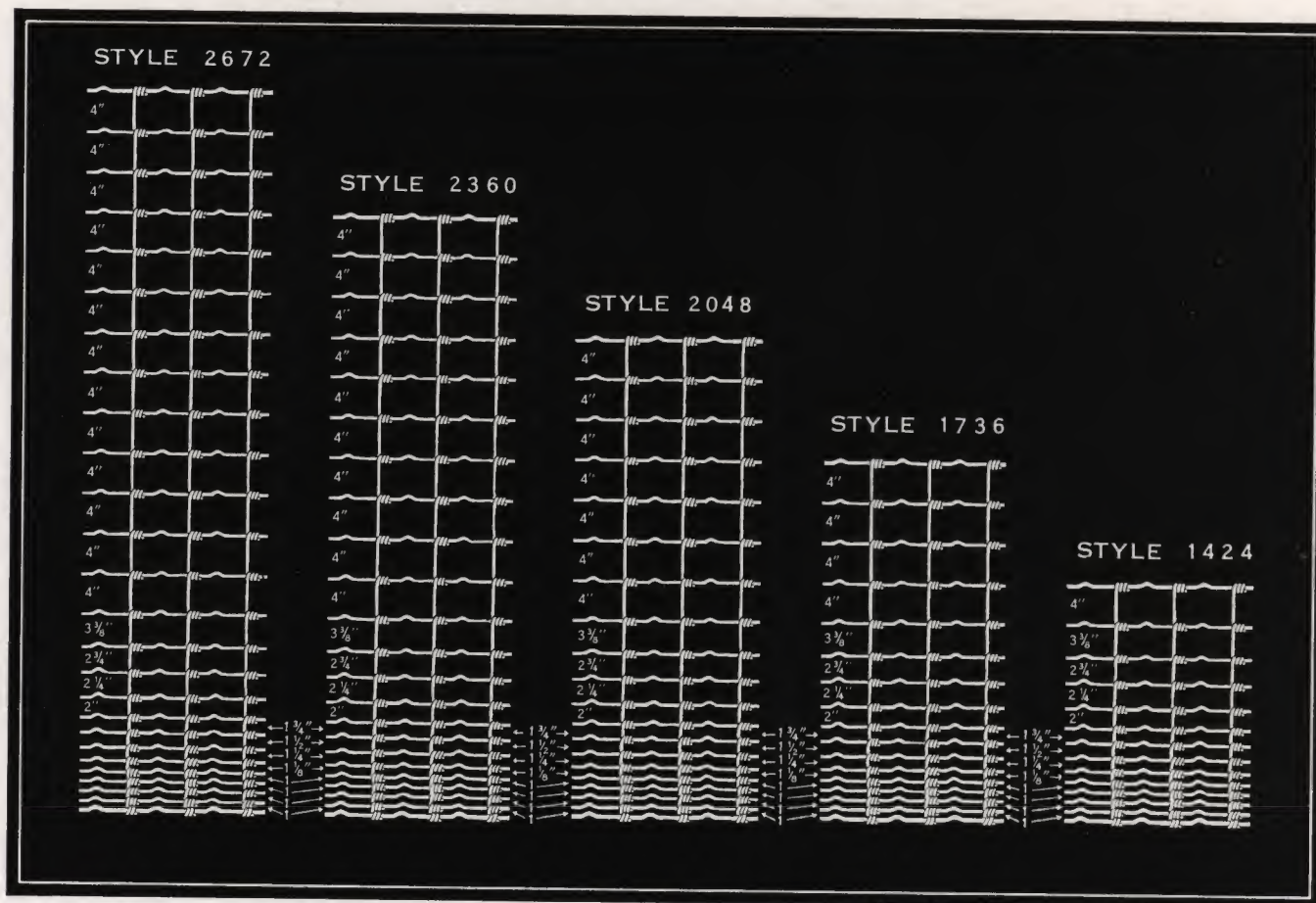
Style No.	No. of Line Wires	Approximate Height Inches	APPROXIMATE WEIGHT PER ROD IN POUNDS AND GAUGE OF WIRE	
			SPEC. 14½ P.R. 6-inch Stays	SPEC. 13 P.R. 6-inch Stays
2158.	21	58	9.50	12.20
1948.	19	48	8.49	10.83
1635.	16	35	7.05	8.91
Gauge Top Wire.			11	11
Gauge Bottom Wire			11	11
Gauge Line Wire			14½	13
Gauge Stay Wire			14½	13





# Wheeling COP-R-LOY Farm Fence

Pure Zinc Coated (Galvanized)  
THE DOUBLY PROTECTED FENCE



## CLOSE MESH POULTRY AND CHICK FENCE

Standard 10 and 20-rod rolls. (No extra charge for 10-rod rolls).

**T**HIS fence has one-inch spacing between first five line wires at bottom, requiring no top and bottom boards to confine chicks or bar animals, and is most popular with

the trade. Made of full weight, full gauge COP-R-LOY wires, pure zinc coated. Supplied in five heights as shown above in accordance with specifications below.

### SPECIFICATIONS

Style No.	Number of Line Wires	Approximate Height in Inches	APPROXIMATE WEIGHT PER ROD IN POUNDS AND GAUGE OF WIRE				
			CLOSE MESH POULTRY FENCE		CHICK FENCE		
			SPEC. No. 14 1/2 6-inch Stays	SPEC. No. 15 1/2 6-inch Stays	SPEC. No. 17 6-inch Stays	SPEC. No. 17 4-inch Stays	SPEC. No. 18 6-inch Stays
2672	26	72	11.1	9.4	5.8	7.2	4.7
2360	23	60	9.7	8.2	5.2	6.2	4.1
2048	20	48	8.4	8.0	4.4	5.3	3.5
1736	17	36	7.0	5.8	3.6	4.3	2.9
1424	14	24	0	0	0	3.4	0
Gauge Top Wire			11	12 1/2	15 1/2	15 1/2	15 1/2
Gauge Bottom Wire			11	12 1/2	15 1/2	15 1/2	15 1/2
Gauge Line Wire			14 1/2	15 1/2	17	17	18
Gauge Stay Wire			14 1/2	15 1/2	17	17	18





# Wheeling Lawn Fence

Pure Zinc Coated (Galvanized)



**W**HEELING Lawn Fence combines essential protection with beauty of design. Its unique construction, double cable line wires and closely woven pickets, give it maximum strength. The heavy, pure zinc coating insures years of dependable service.

The crimped pickets are uniformly spaced. The twisted cable line wires are drawn to the correct tension. The reverse twists make proper allowance for contraction

or expansion and prevent sagging. The demand for Lawn Fence is increasing.

Home owners insist upon its protection, privacy, and beautification.

Wheeling Lawn Fence is made in three attractive designs and in heights from 30 inches to 60 inches. It meets every requirement demanded by the critical buyer—strength, durability, protection, and beauty.

## DOUBLE PICKET

Standard 10 and 20-rod rolls (No extra charge for 10-rod rolls)

This, the most popular of all Lawn Fences, is noted for its beauty, strength, and general utility. Its closely spaced pickets, attractive design, and sturdiness combine to make an all-around lawn fence which fulfills every need. The crimped pickets are No. 9 wire heavily

coated with pure zinc. Double cable line wires are made of two No. 12½ heavily zinc coated wire. Lower pickets are spaced 1½ inches apart; upper pickets, 3 inches apart. Lower line wires are 6 inches apart; the top line wires 2¾ inches apart.

Height	No. of Cable Line Wires	Approximate Weight per	
		10-rod Roll	20-rod Roll
30 inches	6	228 lbs.	456 lbs.
36 inches	7	248 lbs.	496 lbs.
42 inches	8	284 lbs.	568 lbs.
48 inches	9	328 lbs.	656 lbs.
54 inches	10	360 lbs.	720 lbs.
60 inches	11	403 lbs.	806 lbs.





# Wheeling Lawn Fence

Pure Zinc Coated (Galvanized)



## 3-INCH SINGLE PICKET

Standard 10 and 20-rod rolls (No extra charge for 10-rod rolls)

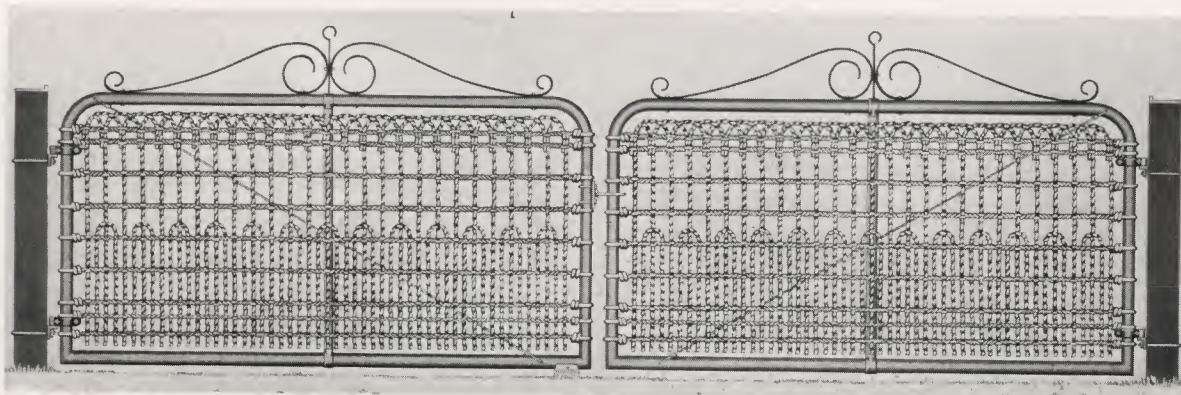
**T**HIS fence is made with heavy upright pickets of No. 9 crimped wire securely locked together by double cable line wires of No. 12½ gauge. All wires are heavily coated with pure zinc. Pickets are spaced 3 inches apart. Lower cable line wires are 6 inches apart; the

two top cables are 2⅜ inches apart. This attractive and durable fence fulfills all requirements where other than a strictly poultry-proof fence is wanted. It stretches readily to either wood or steel posts and requires no special skill to erect.

Height	No. of Cable Line Wires	Approximate Weight per	
		10-rod Roll	20-rod Roll
30 inches . . . . .	6	170 lbs.	340 lbs.
36 inches . . . . .	7	190 lbs.	380 lbs.
42 inches . . . . .	8	218 lbs.	436 lbs.
48 inches . . . . .	9	243 lbs.	486 lbs.
54 inches . . . . .	10	271 lbs.	542 lbs.
60 inches . . . . .	11	299 lbs.	598 lbs.



## Wheeling Ornamental Gates



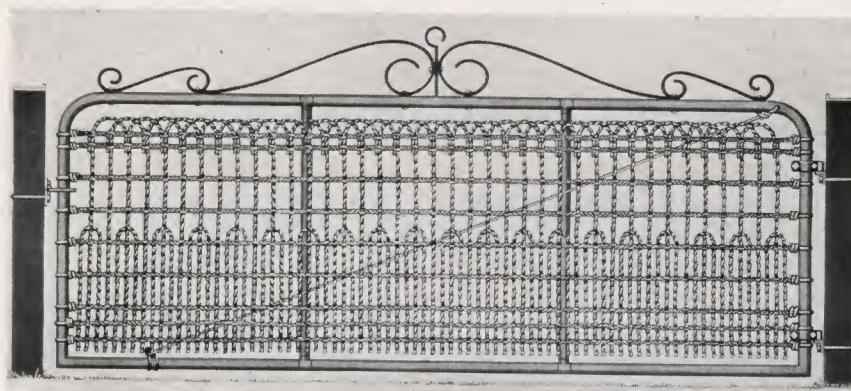
Double Drive Gate with Double Picket Fabric

### DOUBLE DRIVE GATES

**F**RAMES are made of  $1\frac{1}{8}$ -inch zinc coated steel tubing. Filler is Double Picket Fabric. All gates surmounted with wrought iron scroll and equipped with hinges and latch for wood posts. Special hinges and latch for tubular steel posts  $1\frac{3}{4}$  inches or  $2\frac{1}{2}$  inches outside diameter and 2-inch x 2-inch angle steel posts furnished at nominal extra charge. Gates from 4 feet to 8 feet

wide have vertical brace in center. Gates 6 feet or more in width are braced diagonally. Made in three heights: 36 inches, 42 inches, and 48 inches; and in the following widths (distance between posts): 8 feet, 10 feet, 12 feet, and 14 feet.

*Note:* Gates of special dimensions can be furnished at slight advance in price.



Single Drive Gate with Double Picket Fabric

### SINGLE DRIVE GATES

**F**RAMES are made of  $1\frac{3}{8}$ -inch (outside diameter) zinc coated steel tubing and filled with Double Picket Fabric. All gates surmounted with wrought iron scroll and equipped with hinges and latch for wood posts. Special hinges and latch for tubular steel posts  $1\frac{3}{4}$  inches or  $2\frac{1}{2}$  inches outside diameter and 2-inch x 2-inch angle steel posts furnished at nominal extra charge. Gates from 4 feet to 8 feet wide have one vertical brace; 10- and 12-foot gates have two vertical braces; and

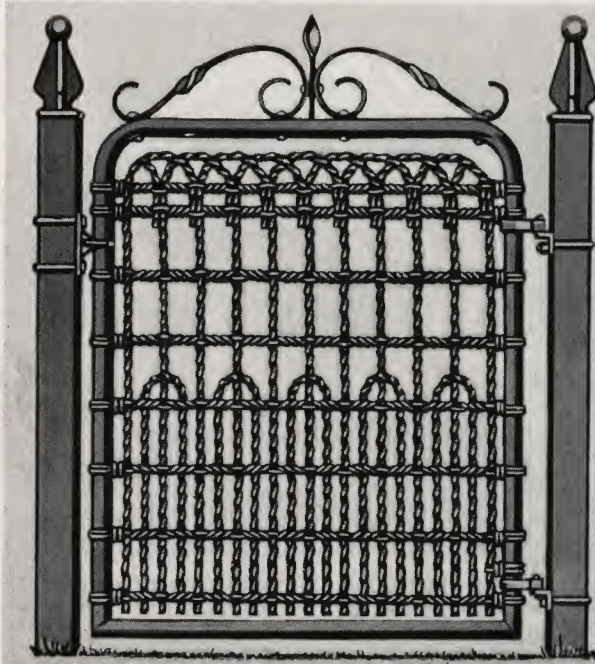
14-foot gates have three vertical braces. Diagonal braces are fitted with an adjustable sleeve which prevents sagging.

Made in three heights: 36 inches, 42 inches, and 48 inches; and in the following widths (distance between posts): 8 feet, 10 feet, 12 feet, and 14 feet.

*Note:* Gates of special dimensions can be furnished at slight advance in price.



## Wheeling Ornamental Gates



Walk Gates with Double Picket Fabric



Walk Gates with 3-inch Single Picket Fabric

### WALK GATES

**W**HEELING Walk Gates are made with frames of new zinc coated steel tubing,  $1\frac{1}{8}$  inches outside diameter. These frames are filled with Double Picket Fabric or 3-inch Single Picket Fabric.

Attractive zinc coated wrought iron scrolls surmount all gates. Zinc coated latches and hinges for wood posts

are furnished with each gate. Hinges and latch for tubular steel posts  $1\frac{3}{4}$  inches or  $2\frac{1}{2}$  inches outside diameter, or angle steel posts, 2 x 2 inches, furnished at a nominal extra charge. Be sure to specify kind and size of post where steel post fittings are wanted.

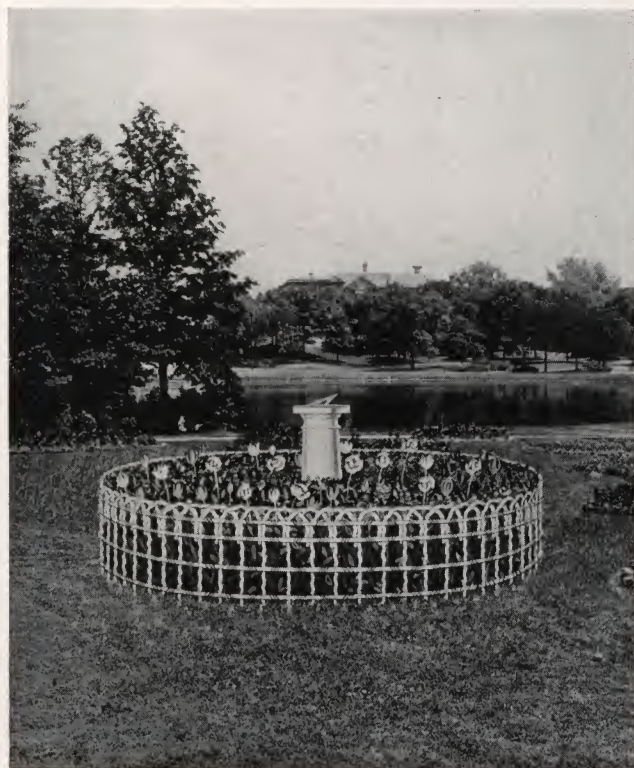
*Note:* Gates of special dimensions can be furnished at slight advance in price.

Width Between Posts		Height of Frame
3	feet. . . . .	36 inches
3	feet. . . . .	42 inches
3	feet. . . . .	48 inches
$3\frac{1}{2}$	feet. . . . .	36 inches
$3\frac{1}{2}$	feet. . . . .	42 inches
$3\frac{1}{2}$	feet. . . . .	48 inches
4	feet. . . . .	36 inches
4	feet. . . . .	42 inches
4	feet. . . . .	48 inches

Unless otherwise specified Double Picket Fabric will be furnished



# Wheeling Flower-Bed Border and Trellis

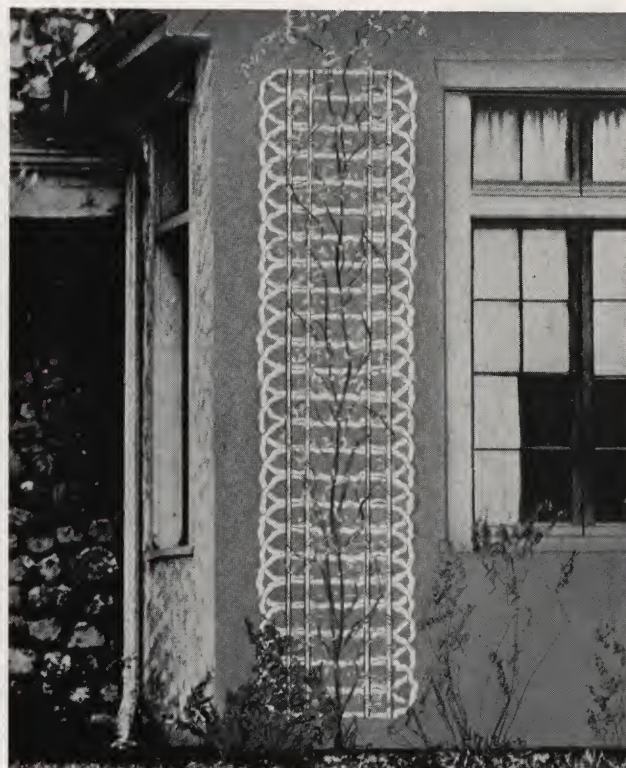


## FLOWER-BED BORDER

Standard 10 and 20-rod rolls. (No extra charge for 10-rod rolls)

**A**DDS to appearance of lawns and gardens, private or public. Can be easily installed, removed and used again from year to year. Pickets, placed 3 inches apart, are made of No. 9 crimped wire. Double cable line wires are No. 13 gauge. Lower line wires spaced 5 inches apart; two top line wires,  $2\frac{3}{8}$  inches apart. All wires heavily zinc coated.

Height over all	Height above ground	No. of Cable Line Wires
16 inches	12 inches	3
22 inches	18 inches	4
28 inches	24 inches	5



## TRELLIS

Standard 10 and 20-rod rolls. (No extra charge for 10-rod rolls)

**A**N ATTRACTIVE support for climbing vines. Strong and durable. Adds to the beauty of the home. Can be easily installed by the purchaser.

Made with pickets of No. 10 gauge crimped wire locked together by four double cable line wires of No. 13 gauge. Pickets spaced 4 inches apart. All wires heavily zinc coated.

Widths	No. of Cable Line Wires
18 inches	4
24 inches	4
30 inches	4



# Wheeling Steel Fence Posts

## GROUNDGRIPPER POSTS

**W**E GUARANTEE that every Groundgripper Fence Post is made of high carbon rail steel, built to give long, satisfactory and dependable service; that it is protected by a pure linseed oil paint baked on and that it will stay when properly set.

### Groundgripper Vee Post

1—The end section suggests the strength and rigidity of this post. 2—The wire fits in a groove and is locked securely in place with a heavily galvanized snap-on fastener. 3—Equipped with an anchor plate that really anchors. 4—It will be noted that this post is reinforced with a heavy  $\frac{3}{8}$ -inch rib which runs the full length of the post. Seven fasteners furnished with each post. Size  $1\frac{1}{4} \times \frac{9}{16}$ -inch legs with  $\frac{3}{8}$ -inch square reinforcing rib. 5—Covered with pure linseed oil paint baked on.

Lengths	Approximate Weights	Lengths	Approximate Weights
5'0" . . . . .	7.32 lbs.	7'0" . . . . .	9.98 lbs.
5'6" . . . . .	7.99 lbs.	7'6" . . . . .	10.65 lbs.
6'0" . . . . .	8.65 lbs.	8'0" . . . . .	11.31 lbs.
6'6" . . . . .	9.32 lbs.		

### Groundgripper Self Fastener Tee Post

This is one of the strongest posts on the market today. Unlike most lipped posts the lip on this post is curved to receive the wire. A slight tap with the hammer at the top of the lip will lock the wire securely without shearing wire or breaking lip. Coated with pure linseed oil paint baked on. Size  $1\frac{1}{2} \times 1\frac{1}{4} \times \frac{1}{8}$  inch section.

Lengths	Approximate Weights	Lengths	Approximate Weights
5'0" . . . . .	6.92 lbs.	7'0" . . . . .	9.42 lbs.
5'6" . . . . .	7.55 lbs.	7'6" . . . . .	10.05 lbs.
6'0" . . . . .	8.17 lbs.	8'0" . . . . .	10.67 lbs.
6'6" . . . . .	8.80 lbs.		

### Groundgripper Self Fastener Ell Post

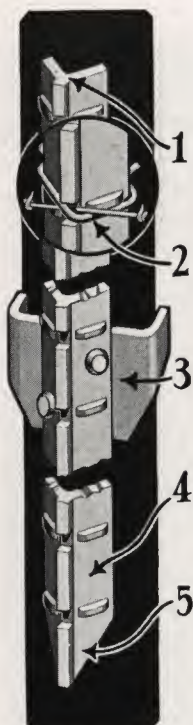
A post built to stand abuse, easily driven, will stand like a rock and outlast any farm fence. The patented lip on this post is a feature. Only two bottom lips need be clamped over wire to secure. Coated with pure linseed oil paint baked on. Size  $1\frac{1}{4} \times 1\frac{1}{4} \times \frac{9}{16}$ -inch section.

Lengths	Approximate Weights	Lengths	Approximate Weights
5'0" . . . . .	6.20 lbs.	7'0" . . . . .	8.44 lbs.
5'6" . . . . .	6.76 lbs.	7'6" . . . . .	9.00 lbs.
6'0" . . . . .	7.32 lbs.	8'0" . . . . .	9.56 lbs.
6'6" . . . . .	7.88 lbs.		

### Hercules Studded Tee Post

The Hercules Studded Tee Post is made of tough, resilient rail-carbon steel. It springs and gives in the fence line under shocks, but never gives way. It is especially strong at the vital point where the anchor plate is attached. Size  $1\frac{3}{8} \times 1\frac{3}{8} \times \frac{5}{16} \times \frac{9}{16}$ -inch section.

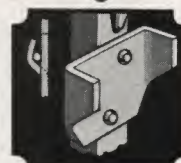
Lengths	Approximate Weights	Lengths	Approximate Weights
5'0" . . . . .	7.32 lbs.	7'0" . . . . .	9.98 lbs.
5'6" . . . . .	7.99 lbs.	7'6" . . . . .	10.65 lbs.
6'0" . . . . .	8.65 lbs.	8'0" . . . . .	11.31 lbs.
6'6" . . . . .	9.32 lbs.		



Groundgripper Vee Post



Groundgripper Self Fastener Tee Post



Groundgripper Self Fastener Ell Post



Hercules Studded Tee Post



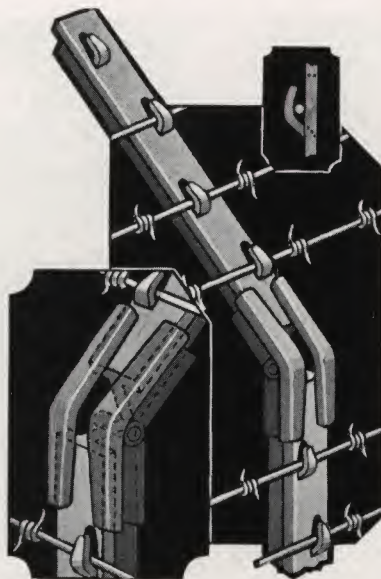
## Wheeling Steel Fence Post Accessories



Post Driver

### POST DRIVER

Eliminates that back-breaking pounding with a sledge. An absolute necessity on all steel posts. Weight, 14 pounds each.



Extension Arm

### EXTENSION ARM

Forming part of the post itself, this arm is the strongest and most serviceable one on the market. Simply tighten ONE bolt, and the arm is secure. Will fit any type tee post made. Length, 14 inches. Weight, 1.93 pounds each.



Tee Top



Vee Top

### TEE TOP

This top is fastened securely to post by a turn of the set screw. Will fit all of our tee posts. Weight, .90 pounds.

### VEE TOP

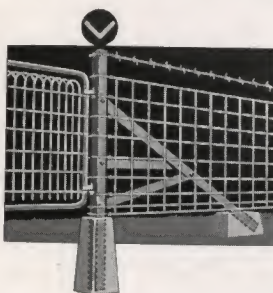
This top follows out the lines of the post and is easily attached. Weight, .90 pounds each.

## END, GATE AND CORNER POSTS

The end and corner posts are the foundation of your fence line. Groundgripper Corners and Ends are sturdy

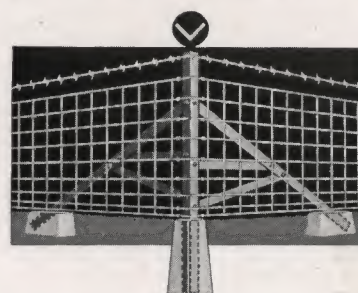
ly built to give years of service. They have plenty of surplus strength for the most severe conditions.

### GROUNDGRIPPER END OR GATE POSTS



Size: Corner Post Main and Compression Braces, 2 x 2 x 1/4 inches.  
Tension Brace, 2 x 1 3/8 x 7/16 inches.  
Lengths. . . . . 7'0" . . . . . 7'8" . . . . . 9'0"  
Approximate Weights. . . . . 52 1/2 lbs. . . . . 57 lbs. . . . . 67 lbs.

### GROUNDGRIPPER CORNER POSTS

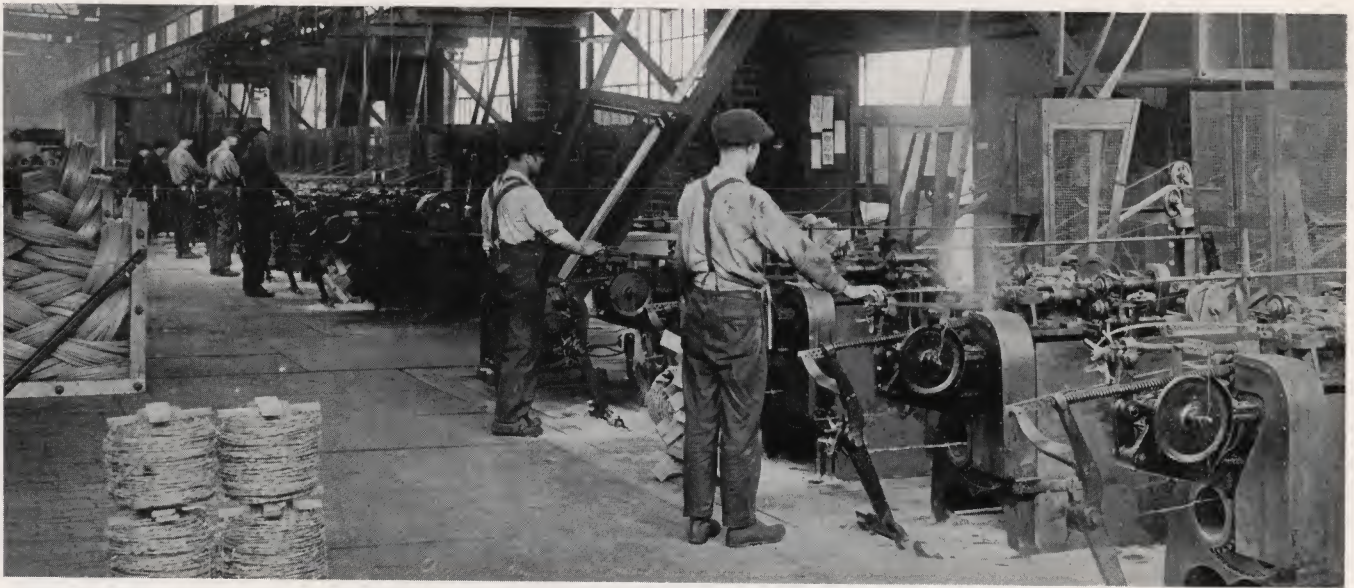


Size: Corner Post, Main, and Compression Braces, 2 x 2 x 1/4 inches.  
Tension Braces, 2 x 1 3/8 x 7/16 inches.  
Lengths. . . . . 7'0" . . . . . 7'8" . . . . . 9'0"  
Approximate Weights. . . . . 84 lbs. . . . . 89 lbs. . . . . 105 lbs.





## Wheeling Barbed Wire



Wheeling Barbed Wire and other Wheeling Wire and Wire Products are made in the most modern and complete wire mills in America at the Wheeling plant, Portsmouth, Ohio

**T**HE same thoroughness characteristic of the making of all Wheeling Fence is applied to the production of Wheeling Barbed Wire. From the manufacture of the steel, the drawing and weaving of the wire and application of the barbs all Wheeling Barbed Wire is

typically a Wheeling product made to one standard by the one company. Made of zinc coated full gauge Open Hearth Steel Wire and when specially ordered of zinc coated COP-R-LOY wire. All 80-rod reels are guaranteed to be full length.

### WHEELING FOUR-POINT



#### Round Barbs, Zinc Coated

Round barbs of 13-gauge. Each barb is wrapped once around one main strand and once around both main strands. Main strands are 12-gauge.

Cattle Barbs about 6 inches apart.

Hog Barbs about 4 inches apart.

Furnished in even weight spools of 100 pounds. 80-rod reels are also supplied except that main strands are of 12½-gauge and barbs are of 14-gauge.

### PORTSMOUTH PERFECT TWO-POINT



#### Flat Barbs, Zinc Coated

Flat barbs are wrapped once around one of the main strands. Main strands are 12½-gauge.

Cattle Barbs about 5 inches apart.

Hog Barbs about 3 inches apart.

Furnished in even weight spools of 100 pounds and in full 80-rod reels.

### OHIO FOUR-POINT



#### Half-Round Barbs, Zinc Coated

Half-round barbs wrapped twice around one main strand. Main strands are 12½-gauge.

Cattle Barbs about 6 inches apart.

Hog Barbs about 3 inches apart.

Furnished in even weight spools of 100 pounds and in full 80-rod reels.

### OHIO TWO-POINT



#### Half-Round Barbs, Zinc Coated

Half-round barbs wrapped once around one main strand. Main strands are 12½-gauge.

Cattle Barbs about 5 inches apart.

Hog Barbs about 3 inches apart.

Furnished in even weight spools of 100 pounds and in full 80-rod reels.





# Wheeling Barbed Wire

## SCIOTO TWO-POINT



Round Barbs, Zinc Coated

Round barbs of 14-gauge are wrapped twice around one of the main strands. Main strands are 12½-gauge.

Cattle Barbs about 5 inches apart.

Hog Barbs about 3 inches apart.

Furnished in even weight spools of 100 pounds and in full 80-rod reels.

## TWO-PLY TWISTED BARBLESS WIRE



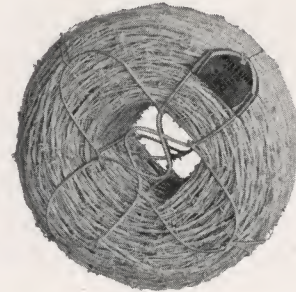
Zinc Coated

Furnished in either 12- or 12½-gauge, wound on spools or reels (same as barbed wire).

Put up in even weight spools of 100 pounds or in full 80-rod reels.

## WHEELING BARBED WIRE

on Modern Wire Spools



## CRESCENT TWO-POINT



Round Barbs, Zinc Coated

Round barbs 16-gauge are wrapped twice around one of the main strands. Main strands are 14-gauge.

Cattle Barbs about 5 inches apart.

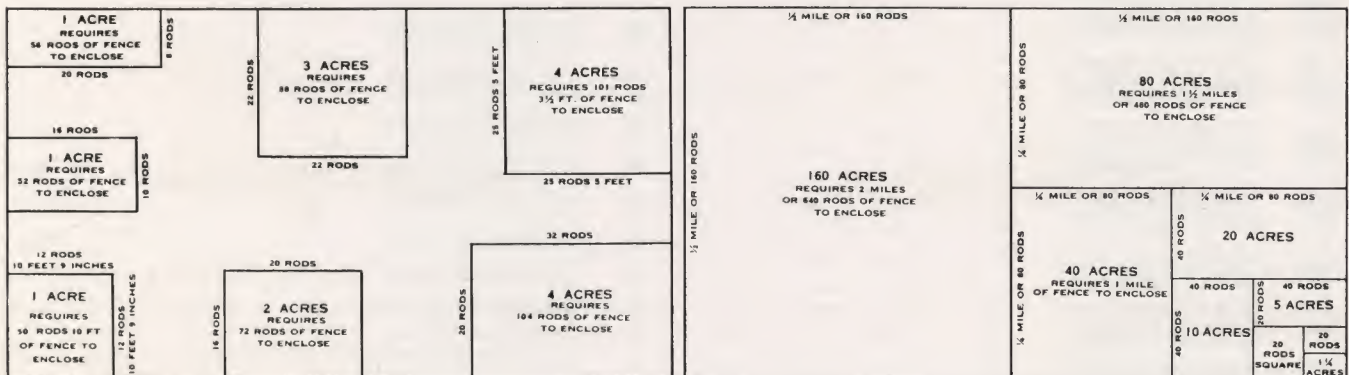
Hog Barbs about 3 inches apart.

Furnished only in full 80-rod reels.

## PAINTED BARBED WIRE

Any style of barbed wire shown on pages 162 and 163 can be furnished painted if desired.

## Diagrams Showing Fence Required for Various Acreages







## Wheeling Wire

**W**HEELING Wire can be furnished in Bright, Annealed or Zinc Coated. Made from Wheeling COP-R-LOY or Open Hearth Steel.

### COILED STEEL SPRING WIRE

Zinc Coated



Made of selected hard wire and is adapted to hold tension and avoid slack or loose wires in fence construction.

Wheeling or W & M Gauge	Feet per Pound	Wheeling or W & M Gauge	Feet per Pound
7	11.0	10	20.0
8	13.33	11	24.61
9	16.7	12	32.0

### ZINC COATED BRACE WIRE

No. 8 and 9 gauges—5-pound coils, packed 20 coils to the bundle of 100 pounds. Advance is \$1.00 per 100 pounds over the price of No. 8 gauge Zinc Coated Wire.

### WHEELING COP-R-LOY SOLID CLOTHES LINES



Wheeling COP-R-LOY Solid Clothes Lines are made of soft zinc-coated COP-R-LOY wire.

They are cleaner and more economical than the twisted clothes lines. They will not tear the clothes, as they are smooth and have no small strands of wire to break.

Coils contain 50, 75, or 100 feet, are 8 inches inside diameter and are shipped in cartons of 12 coils each. Each coil is tagged to show number of feet and gauge of wire.

### Approximate Weights (per carton of 12 coils)

Feet per Coil	No. 8 Gauge	No. 9 Gauge	No. 10 Gauge
50	42 lbs.	35 lbs.	29 lbs.
75	63 lbs.	52 lbs.	43 lbs.
100	84 lbs.	70 lbs.	58 lbs.

### STRAIGHTENED AND CUT WIRE



Straightened and Cut Wire is furnished in all sizes from No. 18 gauge to  $\frac{3}{8}$ -inch, inclusive, in lengths from 6 inches to 20 feet inclusive. Particular care is used in this process to insure the wire being commercially straight, clean and accurate in length.

### ACTUAL SIZES OF PLAIN WIRE

Wheeling or W & M Gauge No.	Diameter of Steel Wire	Weight One Mile	Feet to a Pound	Wheeling or W & M Gauge No.	Diameter of Steel Wire	Weight One Mile	Feet to a Pound
1	.2830	1128.0	4.68	8	.1620	369.6	14.29
2	.2625	970.4	5.44	9	.1483	309.7	17.05
3	.2437	836.4	6.31	10	.1350	256.7	20.57
4	.2253	714.8	7.39	11	.1205	204.5	25.82
5	.2070	603.4	8.75	12	.1055	156.7	33.69
6	.1920	519.2	10.17	13	.0915	117.9	44.78
7	.1770	441.2	11.97	14	.0800	90.13	58.58
				15	.0720	73.01	72.32
				16	.0625	55.0	95.98
				17	.054	41.0	128.60
				18	.047	31.77	166.20





# Wheeling Wire

## SINGLE LOOP BALE TIES



Wheeling Single Loop Bale Ties are made in all standard gauges and lengths from Wheeling Open Hearth Steel Wire, on new and modern equipment, 250 ties to the bundle, spirally wrapped with wire.

### STANDARD WEIGHTS PER BUNDLE

250 ties per bundle

(Weights shown are approximate only)

Lengths in Feet	13 Gauge	14 Gauge	14½ Gauge	15 Gauge	15½ Gauge	16 Gauge	16½ Gauge
	Weights	Weights	Weights	Weights	Weights	Weights	Weights
5	30.2	22.8	20.5	18.4	16.1	13.8	12.0
5¼	31.6	23.8	21.5	19.3	16.8	14.4	12.6
5½	33.0	24.9	22.5	20.2	17.6	15.1	13.2
5¾	34.4	26.0	23.4	21.0	18.3	15.7	13.8
6	35.8	27.0	24.4	21.9	19.1	16.4	14.3
6¼	37.2	28.1	25.4	22.8	19.8	17.0	14.9
6½	38.6	29.2	26.3	23.6	20.6	17.7	15.5
6¾	40.0	30.2	27.3	24.5	21.3	18.3	16.0
7	41.4	31.3	28.2	25.4	22.1	19.0	16.6
7¼	42.8	32.4	29.2	26.2	22.8	19.6	17.2
7½	44.2	33.4	30.2	27.1	23.6	20.3	17.7
7¾	45.6	34.5	31.1	28.0	24.4	21.0	18.3
8	47.0	35.6	32.1	28.8	25.1	21.7	18.9
8¼	48.4	36.6	33.1	29.7	25.9	22.4	19.4
8½	49.8	37.7	34.0	30.5	26.6	23.0	20.0
8¾	51.2	38.8	35.0	31.4	27.4	23.7	20.6
9	52.6	39.8	35.9	32.3	28.1	24.3	21.1
9¼	54.0	40.9	36.9	33.1	28.9	25.0	21.7
9½	55.4	42.0	37.9	34.0	29.6	25.6	22.3
9¾	56.8	43.0	38.8	34.9	30.4	26.3	22.8
10	58.2	44.1	39.8	35.7	31.1	26.9	23.4
10¼	59.6	45.2	40.8	36.6	31.9	27.6	23.9
10½	60.9	46.2	41.7	37.5	32.6	28.2	24.5
10¾	62.3	47.3	42.7	38.3	33.4	28.9	25.1
11	63.7	48.4	43.7	39.2	34.1	29.5	25.6
11¼	65.1	49.4	44.6	40.0	34.9	30.2	26.2
11½	66.5	50.5	45.6	40.9	35.6	30.8	26.8
11¾	67.9	51.6	46.5	41.8	36.4	31.5	27.3
12	69.3	52.6	47.5	42.6	37.2	32.1	27.9

### EXPLANATION

of the sizes of Bale Ties Used in Various Presses for Convenience in Ordering

For 17 x 22 Perpetual Presses, use ties 8, 8½, or 9 feet long. No. 14 wire for heavy work and No. 15 for light work.

For 14 x 18 Perpetual Presses, use ties 8, 8¼, or 8½ feet long. No. 14 wire for extra or extreme heavy work. No. 15 for heavy and medium work, and No. 16 for light work.

For 12 x 15 Perpetual Presses, use ties 7½, 7¾, or 8 feet long. No. 15 wire for heavy work and No. 16 for medium or light work.

For Upright Hand Presses, use No. 14 and No. 15 wire.

For Upright Light Horse Presses, use No. 14 wire.

For Upright Heavy Portable or Light Stationary Horse Presses, use No. 13 wire.

For Upright Heavy Stationary and Beater Presses, use No. 10, No. 11 and No. 12 wire, according to the size of bale and number of ties used.

Standard Small Bales. . . . . { 14 x 18 x 36 inches  
Standard Medium Bales . . . . . { 16 x 18 x 36 inches  
Standard Large Bales. . . . . { 17 x 22 x 36 inches  
Standard Large Bales. . . . . { 22 x 28 x 46 inches

To get the length of tie required, add 3 inches to the measure around the bale when under pressure.





# Wheeling Wire

Table of Sizes, Weights and Length  
of Steel Wire

Wheeling Gauge	Decimal Inches	Millimeters	Pounds per Foot	Pounds per Mile	Feet per Pound
7-0	$\frac{1}{2}$ "	.5000	12.70	.6668	3521
6-0	$\frac{1}{2}$ "	.4900	12.45	.6404	3381
	$\frac{1}{2}$ "	.46875	11.91	.5861	3084
	$\frac{1}{2}$ "	.4615	11.72	.5681	2999
5-0	$\frac{1}{4}$ "	.4375	11.11	.5105	2696
	$\frac{1}{4}$ "	.4305	10.93	.4943	2610
4-0	$\frac{1}{4}$ "	.40625	10.32	.4402	2324
	$\frac{1}{4}$ "	.3938	10.00	.4136	2184
3-0	$\frac{3}{8}$ "	.3750	9.525	.3751	1980
	$\frac{3}{8}$ "	.3625	9.2075	.3505	1851
2-0	$\frac{3}{8}$ "	.34375	8.731	.3152	1664
	$\frac{3}{8}$ "	.3310	8.407	.2922	1543
1-0	$\frac{1}{2}$ "	.3125	7.938	.2605	1375
1	$\frac{1}{2}$ "	.3065	7.785	.2506	1323
	$\frac{1}{2}$ "	.2830	7.185	.2136	1128
	$\frac{1}{2}$ "	.28125	7.144	.2110	1114
2	$\frac{1}{4}$ "	.2625	6.668	.1838	970.4
3	$\frac{1}{4}$ "	.2500	6.350	.1667	880.2
4	$\frac{1}{4}$ "	.2437	6.190	.1584	836.4
	$\frac{1}{4}$ "	.2253	5.723	.1354	714.8
5	$\frac{1}{8}$ "	.21875	5.556	.1276	673.9
6	$\frac{1}{8}$ "	.2070	5.258	.1143	603.4
	$\frac{1}{8}$ "	.1920	4.877	.09832	519.2
	$\frac{1}{8}$ "	.1875	4.763	.09377	495.1
7	$\frac{1}{8}$ "	.1770	4.496	.08356	441.2
8	$\frac{1}{8}$ "	.1620	4.115	.07000	369.6
	$\frac{1}{8}$ "	.15625	3.969	.06512	343.8
9	$\frac{1}{8}$ "	.1483	3.767	.05866	309.7
10	$\frac{1}{8}$ "	.1350	3.429	.04861	256.7
	$\frac{1}{8}$ "	.125	3.175	.04168	220.0
11	$\frac{1}{8}$ "	.1205	3.061	.03873	204.5
12	$\frac{1}{8}$ "	.1055	2.680	.02969	156.7
13	$\frac{1}{8}$ "	.09375	2.381	.02344	123.8
14	$\frac{1}{8}$ "	.0915	2.324	.02233	117.9
15	$\frac{1}{8}$ "	.0800	2.032	.01707	90.13
	$\frac{1}{8}$ "	.0720	1.829	.01383	73.01
16	$\frac{1}{8}$ "	.0625	1.588	.01042	55.01
17	$\frac{1}{8}$ "	.0540	1.372	.007778	41.07
18	$\frac{1}{8}$ "	.0475	1.207	.006018	31.77

Table of Comparative Sizes Wire Gauge  
in Decimals of an Inch

No. of Wire Gauge	Wheeling or Washburn & Moen	Birmingham or Stubb's	Brown & Sharpe	British Imperial or English Legal Standard
000000	.461	. . .	. . .	.464
00000	.430	. . .	. . .	.432
0000	.393	.454	.46000	.400
000	.362	.425	.40964	.372
00	.331	.380	.36480	.348
0	.307	.340	.32495	.324
1	.283	.300	.28930	.300
2	.263	.284	.25763	.276
3	.244	.259	.22942	.252
4	.225	.238	.20431	.232
5	.207	.220	.18194	.212
6	.192	.203	.16202	.192
7	.177	.180	.14428	.176
8	.162	.165	.12849	.160
9	.148	.148	.11443	.144
10	.135	.134	.10189	.128
11	.120	.120	.09074	.116
12	.105	.109	.08081	.104
13	.092	.095	.07196	.092
14	.080	.083	.06408	.080
15	.072	.072	.05707	.072
16	.063	.065	.05082	.064
17	.054	.058	.04526	.056
18	.047	.049	.04030	.048
19	.041	.042	.03589	.040
20	.035	.035	.03196	.036
21	.032	.032	.02846	.032
22	.028	.028	.02535	.028
23	.025	.025	.02257	.024
24	.023	.022	.02010	.022
25	.020	.020	.01790	.020
26	.018	.018	.01594	.018
27	.017	.016	.01419	.0164
28	.016	.014	.01264	.0148
29	.015	.013	.01126	.0136
30	.014	.012	.01002	.0124
31	.0135	.010	.00893	.0116
32	.0130	.009	.00795	.0108
33	.0110	.008	.00708	.0100
34	.0100	.007	.00630	.0092
35	.0095	.005	.00561	.0084
36	.0090	.004	.00500	.0076
37	.0085	. . .	.00445	.0068
38	.0080	. . .	.00396	.0060
39	.0075	. . .	.00353	.0052
40	.0070	. . .	.00314	.0048

## Extras on Wire

(Subject to change without notice)

Gauge Numbers	Advances per 100 lbs. over Base	
	For Size Only	Zinc Coated (In addition to extras for size)
$\frac{3}{8}$ -inch and Coarser	\$0.10	
No. 2 to $\frac{3}{8}$ -inch	Base	
No. 3, No. 4 and No. 5	Base	.85
No. 6 to No. 9 inclusive	Base	.60
No. 10	\$0.05	.60
No. 11	.10	.60
No. 12	.15	.65
No. 13	.25	.70
No. 14	.35	.80
No. 15	.55	.90
No. 16	.75	.90
No. 17	1.00	1.00
No. 18	1.50	1.00

Half sizes take same extra over base price as full size or same number, i.e., 10 and 10½ carry same advance over base.

Annealed Wire, all gauges, 15c per 100 pounds—Extra.

Soft Zinc Coated Wire takes Regular Zinc Coated Extra outlined above.

Catch weight and 100-pound coils—No extra. Even weight coils, 5c per coil extra.





## Wheeling Bright Wire Nails

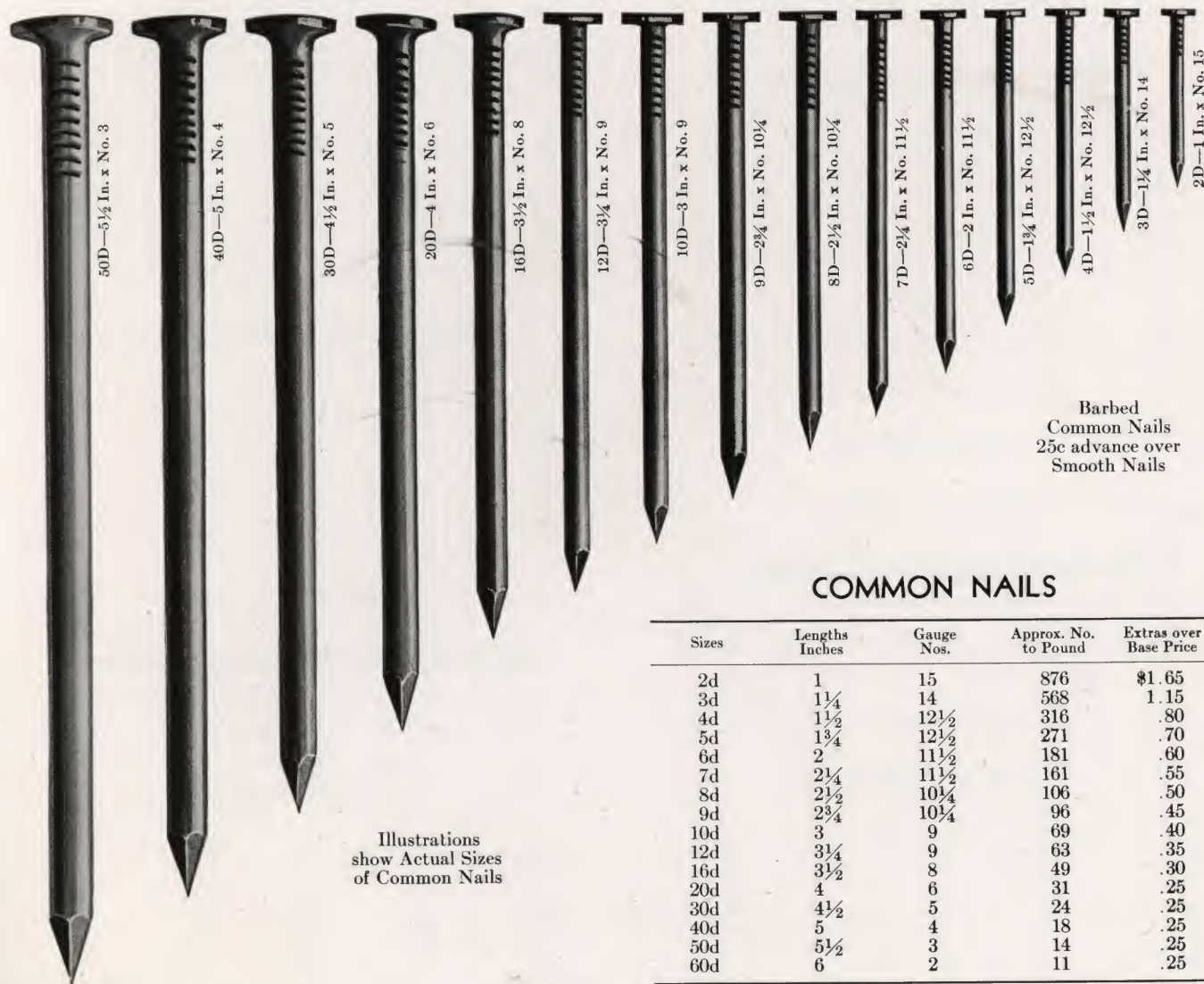
**W**ITH a background of over three-quarters of a century in manufacturing nails to meet the varying demands, Wheeling holds a reputation throughout the civilized world for the production of nails.

Batteries of automatic nail-making machines in Wheeling factories are the most modern and efficient known to the industry.

Raw materials used for Wheeling Nails are

completely under one control from ore mines to the finished product. Steel-making experience over a long period of years coupled with independence of raw material supply assures uniform grade of the particular metal best suited to each product.

You may depend upon Wheeling Nails to be true to specifications, free from mixed sizes and of standard quality.



### COMMON NAILS

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	15	876	\$1.65
3d	1¼	14	568	1.15
4d	1½	12½	316	.80
5d	1¾	12½	271	.70
6d	2	11½	181	.60
7d	2¼	11½	161	.55
8d	2½	10¼	106	.50
9d	2¾	10¼	96	.45
10d	3	9	69	.40
12d	3¼	9	63	.35
16d	3½	8	49	.30
20d	4	6	31	.25
30d	4½	5	24	.25
40d	5	4	18	.25
50d	5½	3	14	.25
60d	6	2	11	.25





# Wheeling Bright Wire Nails

## FLOORING BRADS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
6d	2	11	157	\$ .65
7d	2 $\frac{1}{4}$	11	139	.60
8d	2 $\frac{1}{2}$	10	99	.55
9d	2 $\frac{3}{4}$	10	90	.50
10d	3	9	69	.45
12d	3 $\frac{1}{4}$	8	54	.40
16d	3 $\frac{1}{2}$	7	43	.35
20d	4	6	31	.30

## CASING NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	15 $\frac{1}{2}$	1010	\$1.70
3d	1 $\frac{1}{4}$	14 $\frac{1}{2}$	635	1.20
4d	1 $\frac{1}{2}$	14	473	1.05
5d	1 $\frac{3}{4}$	14	406	.95
6d	2	12 $\frac{1}{2}$	236	.70
7d	2 $\frac{1}{4}$	12 $\frac{1}{2}$	210	.65
8d	2 $\frac{1}{2}$	11 $\frac{1}{2}$	145	.60
9d	2 $\frac{3}{4}$	11 $\frac{1}{2}$	132	.55
10d	3	10 $\frac{1}{2}$	94	.50
12d	3 $\frac{1}{4}$	10 $\frac{1}{2}$	87	.45
16d	3 $\frac{1}{2}$	10	71	.40
20d	4	9	52	.30
30d	4 $\frac{1}{2}$	9	46	.30
40d	5	8	35	.30

## COMMON BRADS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	15	876	\$1.70
3d	1 $\frac{1}{4}$	14	568	1.20
4d	1 $\frac{1}{2}$	12 $\frac{1}{2}$	316	.85
5d	1 $\frac{3}{4}$	12 $\frac{1}{2}$	271	.75
6d	2	11 $\frac{1}{2}$	181	.65
7d	2 $\frac{1}{4}$	11 $\frac{1}{2}$	161	.60
8d	2 $\frac{1}{2}$	10 $\frac{1}{4}$	106	.55
9d	2 $\frac{3}{4}$	10 $\frac{1}{4}$	96	.50
10d	3	9	69	.45
12d	3 $\frac{1}{4}$	9	64	.40
16d	3 $\frac{1}{2}$	8	49	.35
20d	4	6	31	.30
30d	4 $\frac{1}{2}$	5	24	.30
40d	5	4	18	.30
50d	5 $\frac{1}{2}$	3	16	.30
60d	6	2	11	.30

## SMOOTH BOX NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	15 $\frac{1}{2}$	1010	\$1.65
3d	1 $\frac{1}{4}$	14 $\frac{1}{2}$	635	1.15
4d	1 $\frac{1}{2}$	14	473	1.00
5d	1 $\frac{3}{4}$	14	406	.90
6d	2	12 $\frac{1}{2}$	236	.65
7d	2 $\frac{1}{4}$	12 $\frac{1}{2}$	210	.60
8d	2 $\frac{1}{2}$	11 $\frac{1}{2}$	145	.55
9d	2 $\frac{3}{4}$	11 $\frac{1}{2}$	132	.50
10d	3	10 $\frac{1}{2}$	94	.45
12d	3 $\frac{1}{4}$	10 $\frac{1}{2}$	88	.40
16d	3 $\frac{1}{2}$	10	71	.35
20d	4	9	52	.25
30d	4 $\frac{1}{2}$	9	46	.25
40d	5	8	35	.25

Smooth box nails will be furnished unless otherwise ordered.

## BARBED BOX NAILS

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	15 $\frac{1}{2}$	1010	\$1.90
3d	1 $\frac{1}{4}$	14 $\frac{1}{2}$	635	1.40
4d	1 $\frac{1}{2}$	14	473	1.25
5d	1 $\frac{3}{4}$	14	406	1.15
6d	2	12 $\frac{1}{2}$	236	.90
7d	2 $\frac{1}{4}$	12 $\frac{1}{2}$	210	.85
8d	2 $\frac{1}{2}$	11 $\frac{1}{2}$	145	.80
9d	2 $\frac{3}{4}$	11 $\frac{1}{2}$	132	.75
10d	3	10 $\frac{1}{2}$	94	.70
12d	3 $\frac{1}{4}$	10 $\frac{1}{2}$	88	.65
16d	3 $\frac{1}{2}$	10	71	.60
20d	4	9	52	.50
30d	4 $\frac{1}{2}$	9	46	.50
40d	5	8	35	.50

## FINISHING NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	16 $\frac{1}{2}$	1351	\$2.25
3d	1 $\frac{1}{4}$	15 $\frac{1}{2}$	807	1.60
4d	1 $\frac{1}{2}$	15	584	1.45
5d	1 $\frac{3}{4}$	15	500	1.35
6d	2	13	309	.80
7d	2 $\frac{1}{4}$	13	238	.75
8d	2 $\frac{1}{2}$	12 $\frac{1}{2}$	189	.65
9d	2 $\frac{3}{4}$	12 $\frac{1}{2}$	172	.60
10d	3	11 $\frac{1}{2}$	121	.55
12d	3 $\frac{1}{4}$	11 $\frac{1}{2}$	113	.50
16d	3 $\frac{1}{2}$	11	90	.45
20d	4	10	62	.35





## Wheeling Bright Wire Nails

### BOAT NAILS (Light)



Sizes	Lengths Inches	Gauge Nos	Approx. No. to Pound	Extras over Base Price
4d	1½	15	82	\$ .95
6d	2	16	62	.80
8d	2½	16	50	.75
10d	3	14	22	.70
12d	3¼	14	20	.65
16d	3½	14	18	.60
20d	4	14	16	.55

Annealed nails, 25 cents per 100 pounds extra.

### BOAT NAILS (Heavy)



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
4d	1½	14	44	\$ .95
6d	2	14	32	.80
8d	2½	14	26	.75
10d	3	13	14	.80
12d	3¼	13	13	.75
16d	3½	13	12	.70
20d	4	13	10	.65

Annealed nails, 25 cents per 100 pounds extra.

### BARREL NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
5/8"	5/8	15½	1615	\$2.45
3/4"	3/4	15½	1346	2.10
7/8"	7/8	14½	906	1.45
1"	1	14½	775	1.25
1 1/8"	1 1/8	14½	700	1.20
1 1/4"	1 1/4	14	568	1.15
1 3/8"	1 3/8	13	400	.95
1 1/2"	1 1/2	13	367	.90

### SIDING NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	15½	1010	\$1.65
3d	1¼	14½	635	1.15
4d	1½	14	473	1.00
5d	1¾	14	406	.90
6d	2	12½	236	.65
7d	2¼	12½	210	.60
8d	2½	11½	145	.55
9d	2¾	11½	132	.50
10d	3	10½	94	.45
12d	3¼	10½	88	.40
16d	3½	10	71	.35
20d	4	9	52	.25
30d	4½	9	46	.25
40d	5	8	35	.25

### SHINGLE NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
3d	1¼	13	429	\$1.05
3½d	1¾	12½	345	.85
4d	1½	12	274	.80
5d	1¾	12	235	.70
6d	2	12	204	.65

### PLASTER-BOARD NAILS



EXTRAS OVER BASE PRICE			
Sizes	No. 9 Gauge (½-inch Head)	No. 10 Gauge (½-inch Head)	No. 11 Gauge (⅜-inch Head)
1"	\$1.50	\$1.60	\$1.70
1¼"	1.40	1.50	1.60
1½"	1.35	1.45	1.55

### SPECIAL BLUED PLASTER-BOARD NAILS

(Long Diamond Point)



Sizes	Gauge Nos.	Size of Heads	Extras over Base Price
1"	13	5/16	\$2.00
1 1/8"	13	5/16	1.85
1 1/4"	13	5/16	1.75
1 1/2"	13	5/16	1.65
1 3/4"	13	5/16	1.55

### SLATING NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	12	411	\$1.20
3d	1¼	10½	225	1.00
4d	1½	10½	187	.85
5d	1¾	10	142	.75
6d	2	9	103	.65





# Wheeling Bright Wire Nails

## FENCE NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
5d	1 3/4	10	142	\$ .60
6d	2	10	124	.55
7d	2 1/4	9	92	.45
8d	2 1/2	9	82	.45
9d	2 3/4	8	62	.40
10d	3	7	50	.40
12d	3 1/4	6	40	.35
16d	3 1/2	5	30	.30
20d	4	4	23	.25

## CLINCH NAILS

Oval Head—Duckbill Point



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	14	710	\$1.55
3d	1 1/4	13	429	1.35
4d	1 1/2	12	274	1.10
5d	1 3/4	12	235	1.00
6d	2	11	157	.90
7d	2 1/4	11	139	.85
8d	2 1/2	10	99	.80
9d	2 3/4	10	90	.75
10d	3	9	69	.70
12d	3 1/4	9	62	.65
16d	3 1/2	8	49	.60
20d	4	7	37	.55

Annealed nails, 25 cents per 100 pounds extra.

## ROUND WIRE SPIKES

Oval Head—Chisel Point      Flat Head—Diamond Point



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
10d	3	6	41	\$ .40
12d	3 1/4	6	38	.35
16d	3 1/2	5	30	.30
20d	4	4	23	.25
30d	4 1/2	3	17	.25
40d	5	2	13	.25
50d	5 1/2	1	10	.25
60d	6	1	9	.25
7"	7	1 1/8"	7	.25
8"	8	3/8"	4	.35
9"	9	3/8"	3 1/2	.35
10"	10	3/8"	3	.45
12"	12	3/8"	2 1/2	.45

## HINGE NAILS (Light)



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
4d	1 1/2	3 1/8"	82	\$ .95
6d	2	3 1/8"	62	.80
8d	2 1/2	3 1/8"	50	.75
10d	3	3 1/8"	25	.70
12d	3 1/4	3 1/8"	23	.65
16d	3 1/2	3 1/8"	22	.60
20d	4	3 1/8"	19	.55

Annealed nails, 25 cents per 100 pounds extra.

## HINGE NAILS (Heavy)

Chisel or Diamond Point

Unless otherwise specified Chisel Point Nails will be furnished. In ordering Hinge Nails specify whether Oval or Countersunk Head, Light or Heavy, Annealed or Bright.



Countersunk Head—Chisel Point



Oval Head—Diamond Point

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
4d	1 1/2	1 1/4"	50	\$ .95
6d	2	1 1/4"	38	.80
8d	2 1/2	1 1/4"	30	.75
10d	3	3/8"	12	.80
12d	3 1/4	3/8"	11	.75
16d	3 1/2	3/8"	10	.70
20d	4	3/8"	9	.65

Annealed nails, 25 cents per 100 pounds extra.

## CLOUT NAILS



Lengths Inches	Gauge Nos.	Approx. No. to Pound	EXTRAS OVER BASE PRICE	
			Annealed	Bright
3/4"	15	1160	\$2.65	\$2.40
7/8"	14	808	2.00	1.75
1"	14	705	1.80	1.55
1 1/8"	14	628	1.75	1.50
1 1/4"	13	423	1.60	1.35
1 3/8"	13	390	1.50	1.25
1 1/2"	13	350	1.45	1.20





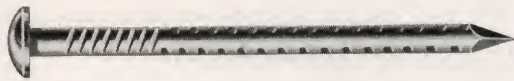
# Wheeling Bright Wire Nails

## BARBED CAR NAILS (Light)



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
4d	1½	12	274	\$1.05
5d	1¾	10	142	.85
6d	2	10	124	.80
7d	2¼	9	92	.70
8d	2½	9	82	.70
9d	2¾	8	62	.65
10d	3	8	57	.65
12d	3¼	7	50	.60
16d	3½	7	43	.55
20d	4	6	31	.50
30d	4½	6	28	.50
40d	5	5	21	.50
50d	5½	4	17	.50
60d	6	4	15	.50

## BARBED CAR NAILS (Heavy)



When ordering Car Nails specify whether Light or Heavy, Oval or Flat Head, Annealed or Bright.  
Bright Nails furnished unless otherwise specified.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
4d	1½	10	165	\$.95
5d	1¾	9	118	.80
6d	2	9	103	.75
7d	2¼	8	76	.70
8d	2½	8	69	.70
9d	2¾	7	54	.65
10d	3	7	50	.65
12d	3¼	6	42	.60
16d	3½	6	35	.55
20d	4	5	26	.50
30d	4½	5	24	.50
40d	5	4	18	.50
50d	5½	3	15	.50
60d	6	3	13	.50

## FINE NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d {extra	1	17	1558	\$2.40
2d {fine	1	16½	1351	2.20
3d {extra	1½	16	1015	2.15
3d {fine	1½	15	778	1.60

## BARBED DOWELL PINS



EXTRAS OVER BASE PRICE					
Lengths	8 Gauge	9 Gauge	10 Gauge	11 Gauge	12 Gauge
5/8"	\$1.75	\$1.90	\$2.00	\$2.20	\$2.45
3/4"	1.50	1.65	1.75	1.90	2.15
7/8"	1.35	1.50	1.60	1.75	2.00
1"	1.25	1.40	1.50	1.65	1.90
1 1/8"	1.15	1.30	1.40	1.50	1.75
1 1/4"	1.10	1.25	1.35	1.45	1.70
1 3/8"	1.05	1.20	1.30	1.40	1.65
1 1/2"	1.00	1.15	1.25	1.35	1.60
1 5/8"	.95	1.10	1.20	1.30	1.55
1 3/4"	.90	1.05	1.15	1.25	1.50
2"	.85	1.00	1.10	1.20	1.45

## BARBED BERRY BOX NAILS

Flat Head with Long Diamond or Needle Point



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
3/4"	3/4	16	1500	\$3.05
7/8"	7/8	16	1300	2.80
1"	1	16	1150	2.60
1 1/8"	1 1/8	16	1010	2.55
1 1/4"	1 1/4	16	910	2.50
3/4"	3/4	17	1904	3.25
7/8"	7/8	17	1584	3.00
1"	1	17	1432	2.80
1 1/8"	1 1/8	17	1300	2.75
1 1/4"	1 1/4	17	1168	2.70

Smooth Berry Nails can be furnished at 25 cents per 100 pounds less than above.

## SMOOTH FOUNDRY NAILS



EXTRAS OVER BASE PRICE				
Lengths Inches	No. 8 Gauge ½-inch Head	No. 9 Gauge ½-inch Head	No. 10 Gauge ½-inch Head	No. 11 Gauge ½-inch Head
3/4"	\$1.60	\$1.70	\$1.80	\$1.90
7/8"	1.50	1.60	1.70	1.80
1"	1.40	1.50	1.60	1.70
1 1/8"	1.35	1.45	1.55	1.65
1 1/4"	1.30	1.40	1.50	1.60
1 1/2"	1.25	1.35	1.45	1.55
1 3/4"	1.25	1.35	1.45	1.55
2"	1.20	1.25	1.35	1.45
2 1/4"	1.15	1.20	1.30	1.40
2 1/2"	1.15	1.20	1.30	1.40
2 3/4"	1.10	1.15	1.25	1.35
3" and longer	1.05	1.10	1.20	1.30

Barbed Foundry Nails, 25 cents per 100 pounds extra.





## Wheeling Bright Wire Nails

### STANDARD BARBED ROOFING NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
$\frac{3}{4}$ "	$\frac{3}{4}$	13	714	\$1.55
$\frac{7}{8}$ "	$\frac{7}{8}$	12	469	1.30
1"	1	12	411	1.20
$1\frac{1}{8}$ "	$1\frac{1}{8}$	12	365	1.10
$1\frac{1}{4}$ "	$1\frac{1}{4}$	11	251	.95
$1\frac{3}{8}$ "	$1\frac{3}{8}$	11	230	.90
$1\frac{1}{2}$ "	$1\frac{1}{2}$	10	176	.80
$1\frac{3}{4}$ "	$1\frac{3}{4}$	10	151	.75
2"	2	9	103	.65

### LARGE HEAD BARBED ROOFING NAILS



EXTRAS OVER BASE PRICE								
Lengths Inches	$\frac{1}{2}$ -inch Head				$\frac{7}{8}$ -inch Head			$\frac{3}{4}$ -inch Head
	8 Ga.	9 Ga.	$9\frac{1}{2}$ Ga.	10 Ga.	10 Ga.	$10\frac{1}{2}$ Ga.	11 Ga.	12 Ga.
$\frac{3}{4}$ "	\$1.65	\$1.75	\$1.80	\$1.95	\$1.85	\$2.00	\$2.05	\$1.80
$\frac{7}{8}$ "	1.55	1.65	1.70	1.85	1.75	1.90	1.95	1.65
1"	1.45	1.55	1.60	1.75	1.65	1.80	1.85	1.60
$1\frac{1}{8}$ "	1.40	1.50	1.55	1.70	1.60	1.75	1.80	1.60
$1\frac{1}{4}$ "	1.35	1.45	1.50	1.65	1.55	1.70	1.75	1.50
$1\frac{1}{2}$ "	1.30	1.40	1.45	1.60	1.50	1.65	1.70	1.45
$1\frac{3}{4}$ "	1.25	1.35	1.40	1.55	1.45	1.60	1.65	1.45
2"	1.20	1.30	1.35	1.50	1.40	1.55	1.60	1.40

### Approximate Number of Bright Large Head Roofing Nails to Pound

Sizes	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"	$1\frac{1}{8}$ "	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	2"
No. 8 — $\frac{1}{2}$ " Head	205	179	158	142	128	108	93	86
No. 9 — $\frac{1}{2}$ " Head	252	219	193	173	156	131	113	100
No. $9\frac{1}{2}$ — $\frac{1}{2}$ " Head	266	231	205	184	167	141	122	103
No. 10 — $\frac{1}{2}$ " Head	272	240	212	193	174	146	124	108
No. 10 — $\frac{7}{8}$ " Head	290	253	224	201	183	154	133	118
No. $10\frac{1}{2}$ — $\frac{7}{8}$ " Head	300	259	232	214	199	170	150	130
No. 11 — $\frac{7}{8}$ " Head	320	281	256	240	230	192	166	147
No. 12 — $\frac{7}{8}$ " Head	436	396	353	322	295	251	221	202

### ACORN HEAD ROOFING NAILS



Sizes	Gauge Nos.	Approx. No. to Pound	Prices on request
$1\frac{1}{2}$ "	9	98	
$1\frac{3}{4}$ "	9	87	
2"	9	93	
$1\frac{1}{2}$ "	10	115	
$1\frac{3}{4}$ "	10	106	
2"	10	79	

### EXTRA LARGE HEAD FELT ROOFING NAILS



This style roofing nail effectively meets a long felt want in connection with the laying of various kinds of prepared roofing. Special features cover Extra Large Checkered Head, very much smaller shank, and sharp point.

Heads	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{2}$ "	$\frac{7}{8}$ "	$\frac{1}{2}$ "
Gauge Nos.	$10\frac{1}{2}$	11	11	12	12
Lengths Inches	EXTRAS OVER BASE PRICE				
$\frac{3}{4}$ "	\$2.80	\$2.70	\$3.05	\$3.20	\$3.20
$\frac{7}{8}$ "	2.65	2.60	2.85	3.00	3.00
1"	2.50	2.50	2.65	2.85	2.85
$1\frac{1}{8}$ "	2.30	2.45	2.35	2.80	2.80
$1\frac{1}{4}$ "	2.25	2.40	2.30	2.75	2.75
$1\frac{1}{2}$ "	2.20	2.35	2.25	2.70	2.70
$1\frac{3}{4}$ "	2.15	2.30	2.20	2.65	2.65
2"	2.10	2.25	2.15	2.60	2.60

### Approximate Number of Bright Extra Large Head Felt Roofing Nails to Pound

Head Gauge	$\frac{9}{16}$ " $10\frac{1}{2}$	$\frac{9}{16}$ " 11	$\frac{1}{2}$ " 11	$\frac{7}{8}$ " 12	$\frac{1}{2}$ " 12
$\frac{3}{4}$ "	244	240	282	343	335
$\frac{7}{8}$ "	231	235	242	328	316
1"	208	214	228	300	292
$1\frac{1}{8}$ "	184	195	208	288	280
$1\frac{1}{4}$ "	172	186	197	264	260
$1\frac{1}{2}$ "	150	156	154	210	219
$1\frac{3}{4}$ "	128	142	150	180	195
2"	119	126	135	172	182





# Wheeling Bright Wire Nails

## LEAD HEADED NAILS



Standard lengths: 1½, 1¾, and 2 inches. Can furnish up to 4-inch length on special orders. Nails 1¾ inches are the most commonly used. Approximately 1½ to 2 pounds are required to apply one square of galvanized roofing. It is not necessary to use lead washers with lead headed nails. The soft lead head flattens down when the nail is driven and tightly seals the nail hole, preventing the seepage of water.

Wheeling Lead Headed Nails are manufactured by the "Hot Cast" process, which means that the lead is *cast on* over an Oval Head, Needle Point Bright Nail, and completely covers it.

Only pure, virgin lead is used.

The lead on Wheeling Lead Headed Nails does not fracture under hammer blows, thereby eliminating the possibility of corrosion caused by moisture gathering between the lead and steel nail. The seal between the lead and steel is *perfect*, thereby assuring a perfect steel roof fastener.

Note the *needle point* which sharply punctures the steel—does not fracture it.

## ASBESTOS SHINGLE NAILS



Asbestos shingle nails are manufactured from 11½-gauge wire in lengths listed below and have needle points. Heads are smooth and well formed, approximately 1½" in diameter. The shank is barbed from head to point. These nails are usually specified Zinc Coated Hot Process. In addition to the advances listed below it will be necessary to add the extra for zinc coating when the nails are so specified.

These nails are sometimes specified as Barbed Slaters' Nails.

Lengths Inches	Approx. Number Zinc Coated per Pound	Extras over Base Price
1 . . . . .	280	\$1.75
1½ . . . . .	260	1.75
1¾ . . . . .	243	1.65
1½ . . . . .	195	1.60
1¾ . . . . .	167	1.60
2 . . . . .	142	1.55

## SANITARY BLUED LATH NAILS



## GUTTER SPIKES



Oval Head Chisel Point—Flat Head Diamond Point

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d Light	1	17	1560	\$2.75
2d	1	16½	1351	2.55
3d Light	1½	16	1015	2.50
3d	1½	15	778	1.95

## SPECIAL EXTRAS ON WHEELING BRIGHT WIRE NAILS

Annealed Nails . . . . .	per 100 lbs.	\$0.25
Blued Nails . . . . .	per 100 lbs.	.35
Barbed Nails . . . . .	per 100 lbs.	.25
Special Heads . . . . .	per 100 lbs.	.15
Special Points . . . . .	per 100 lbs.	.15
Zinc Coated—Hot Process . . . . .	per 100 lbs.	2.00
Zinc Coated—Electro Process . . . . .	per 100 lbs.	2.00
All extras herein mentioned are subject to change without notice.		

Sizes	
5½ x ¼"	
6 x ¼"	
6½ x ¼"	
7 x ¼"	
8 x ¼"	
8½ x ¼"	
9 x ¼"	Prices on request
10 x ¼"	
10½ x ¼"	
7 x No. 5 gauge	
8 x No. 5 gauge	
7 x No. 6 gauge	
7 x ⅜"	
7 x No. 8 gauge	





# Wheeling Wire Staples

Bright or Zinc Coated

## FENCE STAPLES



Lengths	Approximate No. to Pound
$\frac{3}{4}$ "	152
$\frac{7}{8}$ "	120
1"	108
$1\frac{1}{8}$ "	96
$1\frac{1}{4}$ "	87
$1\frac{1}{2}$ "	72
$1\frac{3}{4}$ "	65
2"	58
$2\frac{1}{4}$ "	47
$2\frac{1}{2}$ "	40

Made of No. 9 gauge wire. . . . . base price  
 Made of No. 8 gauge wire. . . . . 25 cts. per 100 lbs. extra  
 Made of No. 10 gauge wire. . . . . 20 cts. per 100 lbs. extra  
 Made of No. 11 gauge wire. . . . . 30 cts. per 100 lbs. extra  
 Made of No. 12 gauge wire. . . . . 45 cts. per 100 lbs. extra  
 Made of No. 13 gauge wire. . . . . 65 cts. per 100 lbs. extra  
 Staples longer than  $2\frac{1}{2}$  inches and up to 3 inches, 50 cents per 100 pounds extra. Cannot furnish staples longer than 3 inches.  
 Annealed staples same price as bright.  
 Barbed staples, 25c per 100 lbs. extra.  
 Blued staples, 50c per 100 lbs. extra.  
 Oiling staples, 15c per 100 lbs. extra.  
 Packed in kegs. Net weight 100 pounds.

## HOOP STAPLES



Made from No. 14 gauge zinc coated wire.  
 Packed in kegs.  
 Net weight 100 pounds.

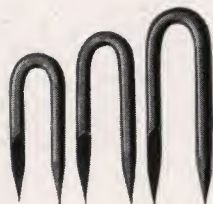
Lengths Inches	Gauge Nos.	Approximate No. to Pound
$\frac{1}{2}$ "	14	610
$\frac{5}{8}$ "	14	568

## METAL LATH STAPLES



Blued, bright or zinc coated.  
 Made from No. 14 gauge wire.  
 Sizes: 1",  $1\frac{1}{8}$ ",  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ ".  
 Packed in kegs. Net weight 100 pounds.

## POULTRY NETTING STAPLES



Made from No. 14 zinc coated wire.  
 Packed in kegs.  
 Net weight 100 pounds.

Lengths Inches	Gauge Nos.	Approximate No. to Pound
$\frac{3}{4}$ "	14	480
$\frac{7}{8}$ "	14	416
1"	14	352

## BLUED HOOP FASTENERS



102 to pound 1" long No. 6 gauge	212 to pound $\frac{9}{16}$ " long No. 9 gauge	308 to pound $\frac{1}{2}$ " long No. 10 $\frac{1}{2}$ gauge	976 to pound $\frac{3}{8}$ " long No. 13 gauge
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## HOOKE HEAD METAL LATH NAILS



This is a  $1\frac{1}{8}$  x 12 bright smooth nail with a long, thin, flat head especially suited for applying metal lath. Can also be furnished blued or zinc coated and in other lengths. Approximate count per pound, blued or bright, 278; zinc coated, 213.

## RIBBON WIRE STAPLES



Bright or zinc coated.  
 Made from 8, 9, or 10-gauge wire.  
 Sizes:  $1\frac{1}{4}$ ",  $1\frac{1}{2}$ ",  $1\frac{3}{4}$ ", 2".  
 Packed in kegs. Net weight 100 pounds.



# Wheeling Cement Coated Wire Nails

**C**EMENT coated nails have approximately twice the holding power of bright nails. They are, therefore, made in a varied assortment of special sizes and types for specific nailing requirements. Shipping boxes and crates are *best secured* against the hardships of travel with special cement coated nails.

Siding, flooring, plaster board, shingles, and other roof-

ing materials can be nailed advantageously with the right wire nail, cement coated.

Wheeling Cement Coated Nails are made from Basic Open Hearth Steel. All processes from mining of the ore to the finished product are controlled by the one company. Quality and uniformity in raw material and finished product are thereby assured.

## COMMON NAILS



These nails have large flat heads and are sometimes referred to as Coolers. Principal uses are for making crates, boxes, framing, and similar purposes. This nail can be used very satisfactorily in automatic nailing machines and for hand driving in soft woods.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	16	1084	\$2.40
3d	1 $\frac{1}{8}$	15 $\frac{1}{2}$	848	1.90
4d	1 $\frac{3}{8}$	14	488	1.55
5d	1 $\frac{5}{8}$	13 $\frac{1}{2}$	364	1.35
6d	1 $\frac{7}{8}$	13	275	1.15
7d	2 $\frac{1}{8}$	12 $\frac{1}{2}$	212	.90
8d	2 $\frac{3}{8}$	11 $\frac{1}{2}$	142	.75
9d	2 $\frac{5}{8}$	11 $\frac{1}{2}$	130	.75
10d	2 $\frac{7}{8}$	11	104	.65

## COMMON NAILS WITH COUNTERSUNK HEADS



These nails have the same general characteristics as common nails, and are sometimes referred to as Sinkers. Used for the same general purposes. The countersunk heads make it possible to use this nail for hand driving in hard woods, as the heads do not break or fly off.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	16	1084	\$2.40
3d	1 $\frac{1}{8}$	15 $\frac{1}{2}$	848	1.90
4d	1 $\frac{3}{8}$	14	488	1.55
5d	1 $\frac{5}{8}$	13 $\frac{1}{2}$	364	1.35
6d	1 $\frac{7}{8}$	13	275	1.15
7d	2 $\frac{1}{8}$	12 $\frac{1}{2}$	212	.90
8d	2 $\frac{3}{8}$	11 $\frac{1}{2}$	142	.75
9d	2 $\frac{5}{8}$	11 $\frac{1}{2}$	130	.75
10d	2 $\frac{7}{8}$	11	104	.65
12d	3 $\frac{1}{8}$	10	77	.55
16d	3 $\frac{3}{4}$	9	61	.45
20d	3 $\frac{3}{4}$	7	37	.35
30d	4 $\frac{1}{4}$	6	29	.35
40d	4 $\frac{3}{4}$	5	21	.35
50d	5 $\frac{1}{4}$	4	16	.35
60d	5 $\frac{3}{4}$	3	13	.35

## EGG CASE NAILS



These nails are recommended for egg case work and are specially made for this purpose.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	16	1050	\$2.65
3d	1 $\frac{1}{8}$	15	738	2.15
4d	1 $\frac{1}{2}$	14	435	1.80

## BOX NAILS



These nails are lighter gauge than the common or countersunk nails, but where substitution can safely be made, advantage is gained by reason of larger number to the keg. These nails are particularly suited for automatic nailing machine use.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	16 $\frac{1}{2}$	1300	\$2.55
3d	1 $\frac{1}{8}$	16	950	2.05
4d	1 $\frac{3}{8}$	15 $\frac{1}{2}$	710	1.90
5d	1 $\frac{5}{8}$	15	536	1.70
6d	1 $\frac{7}{8}$	13 $\frac{1}{2}$	306	1.30
7d	2 $\frac{1}{8}$	13 $\frac{1}{2}$	268	1.20
8d	2 $\frac{3}{8}$	12 $\frac{1}{2}$	186	1.00
9d	2 $\frac{5}{8}$	12 $\frac{1}{2}$	167	1.00
10d	2 $\frac{7}{8}$	11 $\frac{1}{2}$	118	.90

## ORANGE BOX NAILS



For Western Orange Box and other fruit package use.

*Special Note:*—Orange Box Nails, instead of regular 4d box nails, are supplied on Pacific Coast orders, unless such orders specifically instruct to the contrary. Dealers and users elsewhere must specify on order when 4d Orange Box Nails are desired.

Size	Length Inches	Gauge No.	Approx. No. to Pound	Extra over Base Price
4d	1 $\frac{1}{4}$	15	679	\$2.00





## Wheeling Cement Coated Wire Nails

### APPLE BOX NAILS



Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
5d	1 $\frac{5}{8}$	14	418	\$1.50
5 $\frac{1}{2}$ d	1 $\frac{3}{4}$	14	388	1.40

### FRUIT BOX NAILS



For Southern Orange Boxes, pineapple and other fruit packages.  
*Special Note:*—When Fruit Box Nails instead of the regular 4d Box are required, distinctly so specify on orders.

Size	Length Inches	Gauge No.	Approx. No. to Pound	Extra over Base Price
4d	1 $\frac{3}{8}$	15	623	\$1.95

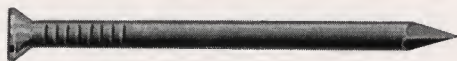
### VENEER BOX NAILS



Used for Orange Boxes without hoops.

Size	Length Inches	Gauge No.	Approx. No. to Pound	Extra over Base Price
4d	1 $\frac{1}{2}$	14	435	\$1.95

### HEAVY RAILROAD NAILS



These nails are sometimes referred to as Extra Countersunk. Also Corkers.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
2d	1	16	1084	\$2.40
3d	1 $\frac{1}{4}$	15	678	1.80
4d	1 $\frac{1}{2}$	13 $\frac{1}{2}$	392	1.50
5d	1 $\frac{5}{8}$	13 $\frac{1}{2}$	364	1.35
6d	1 $\frac{7}{8}$	12 $\frac{1}{2}$	232	1.05
7d	2 $\frac{1}{8}$	12 $\frac{1}{2}$	212	.90
8d	2 $\frac{3}{8}$	11	129	.70
9d	2 $\frac{5}{8}$	11	114	.70
10d	2 $\frac{7}{8}$	10	84	.60
12d	3 $\frac{1}{8}$	10	77	.55
16d	3 $\frac{3}{8}$	9	59	.45
20d	3 $\frac{7}{8}$	7	36	.35
30d	4 $\frac{3}{8}$	6	27	.35
40d	4 $\frac{7}{8}$	5	21	.35
50d	5 $\frac{3}{8}$	4	16	.35
60d	5 $\frac{7}{8}$	3	12	.35

### HEAVY BARBED CAR NAILS



Oval Heads furnished unless Flat Heads are specified.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
4d	1 $\frac{1}{2}$	11	274	\$1.20
5d	1 $\frac{3}{4}$	10	138	1.00
6d	2	10	117	.95
7d	2 $\frac{1}{4}$	9	85	.85
8d	2 $\frac{1}{2}$	9	78	.75
9d	2 $\frac{3}{4}$	8	62	.75
10d	3	8	55	.70
12d	3 $\frac{1}{4}$	7	44	.65
16d	3 $\frac{1}{2}$	7	38	.60
20d	4	6	29	.50
30d	4 $\frac{1}{2}$	6	26	.50
40d	5	5	20	.50
50d	5 $\frac{1}{2}$	4	15	.50
60d	6	4	14	.50

### LIGHT BARBED CAR NAILS



Oval Heads furnished unless Flat Heads are specified.

Sizes	Lengths Inches	Gauge Nos.	Approx. No. to Pound	Extras over Base Price
4d	1 $\frac{1}{2}$	13	335	\$1.35
5d	1 $\frac{3}{4}$	11	176	1.05
6d	2	11	149	1.00
7d	2 $\frac{1}{4}$	10	103	.85
8d	2 $\frac{1}{2}$	10	96	.75
9d	2 $\frac{3}{4}$	9	74	.75
10d	3	9	65	.70
12d	3 $\frac{1}{4}$	8	51	.70
16d	3 $\frac{1}{2}$	8	48	.65
20d	4	7	36	.50
30d	4 $\frac{1}{2}$	7	31	.50
40d	5	6	24	.50
50d	5 $\frac{1}{2}$	5	17	.50
60d	6	5	16	.50

### Special Extras on

### WHEELING CEMENT COATED NAILS

Where special features mentioned below are not distinctly provided for in the catalogue, add the following to the Regular Extras:

Annealing . . . . . \$0.25 per 100 lbs.

Barbing . . . . . 0.25 per 100 lbs.

All extras herein mentioned are subject to change without notice.





## Wheeling LaBelle Cut Nails

**T**HE experience of 79 years in the making of nails is responsible for the world's acceptance of Wheeling LaBelle Cut Nails as the standard of quality.

LaBelle Cut Nails are a Wheeling product—made “from mine to market” under a single management to a single standard of perfection.

With all sources of raw materials under one ownership and control LaBelle Cut Nails are produced with unvarying uniformity.

Soundly designed and painstakingly manufactured, Wheeling LaBelle Cut Nails have consistently held the leading position they began to earn in 1852. Heavier than their younger



Wheeling LaBelle Cut Nails  
Since 1852

through the more sparing use which they make possible.

### Special LaBelle Cut Nails

In view of very large capacity for manufacturing cut nails, facilities are adequate to produce not only all the standard sizes, but also any special cut nail which can be made on a nail machine. Sub-

mit your samples or working drawings.

### Zinc Coated Cut Nails—Hot and Electro Process

By special Wheeling processes an even coating of protective zinc is given to the entire surface of Wheeling LaBelle Cut Nails when ordered. Coatings are uniform and superior in quality.

### Shipping

*Packing*—The sturdy blue hooped Wheeling LaBelle Nail Keg is known the world around. Net weight full keg 100 pounds, half keg 50 pounds.

*Domestic Trade*—Convenient warehouse facilities assure prompt shipment of standard sizes.

*Export Trade*—We ship to every country on the globe. Only extra secure kegs are used.



Wheeling LaBelle Cut Nail Machines

brothers, the commonly used wire nails, and more expensive to make, they have attained ever-increasing popularity because of firmer holding qualities and accompanying economy



Wheeling LaBelle Cut Nail Warehouse



## Wheeling LaBelle Cut Nails



### ACTUAL SIZES OF

### Wheeling LaBelle Cut Nails

#### Common Nails

(For Advances over Base Price see page 179)

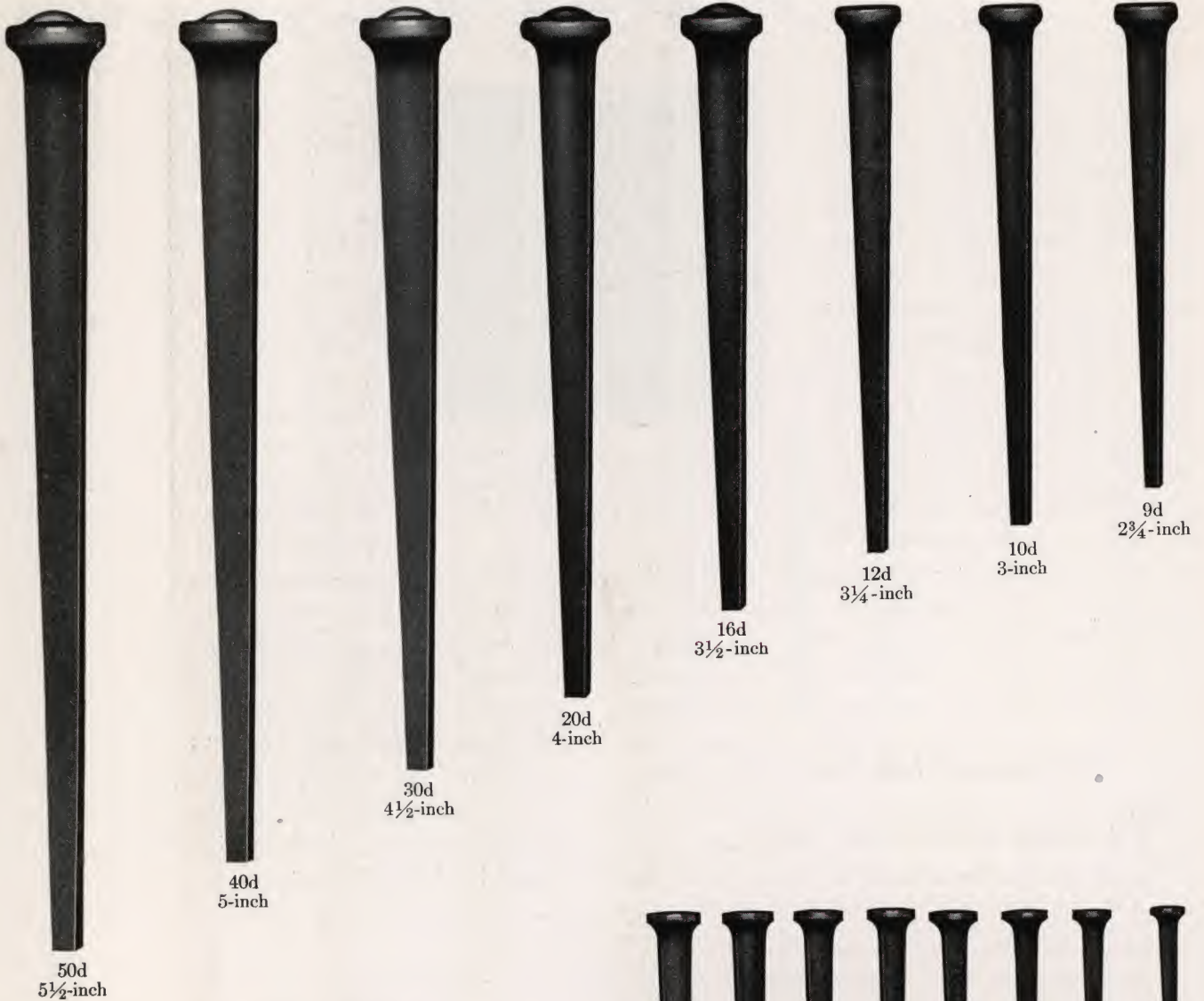
**T**HE use of the terms, six-penny, eight-penny, etc., to designate certain arbitrary sizes of nails is not always understood. Originally in the fifteenth century they denoted the price per hundred. Their original significance, however, was lost in the fluctuation of prices, but was retained to denote sizes.

Because of the complete equipment of Wheeling Cut Nail Factories all the standard sizes are available at all times. Special nails, when needed in large quantity, can be quickly supplied provided they come within the range of automatic nail-making machines. Send samples or working drawings for quotations.





## Wheeling LaBelle Cut Nails

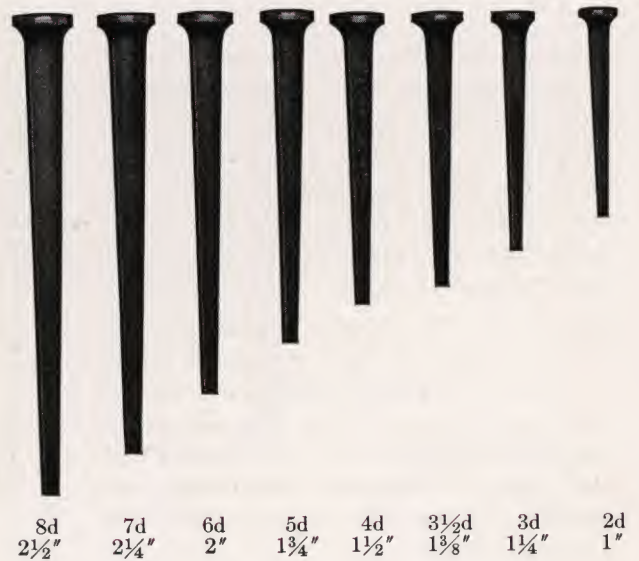


### COMMON NAILS

Sizes	Lengths in Inches	Advances over Base Price	Sizes	Lengths in Inches	Advances over Base Price
2d	1	\$1.75	16d	3½	\$0.30
3d	1¼	1.45	20d	4	.25
3½d	1⅜	1.25	30d	4½	.25
4d	1½	1.00	40d	5	.25
5d	1¾	.75	50d	5½	.25
6d	2	.60	60d	6	.25
7d	2¼	.55	70d	6½	.35
8d	2½	.50	80d	7	.35
9d	2¾	.50	90d	7½	.35
10d	3	.40	100d	8	.35
12d	3¼	.35			

16d and heavier have Rose Heads.

12d and shorter have Flat Heads.



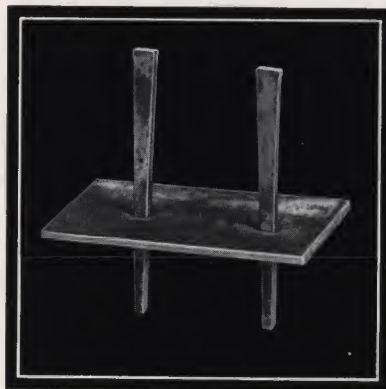




## Wheeling LaBelle Hardened Cut Nails for Hardwood Floors

**I**N THE application of hardwood floors every nail that bends must be extracted. Pulling nails from oak is no easy task—it requires a hard pull with a stout claw hammer to say nothing of good and valuable time.

In providing Wheeling LaBelle Hardened Cut Nails for use in hardwoods, the saving of carpenter's time and the saving of nails were considered as matters of economy and therefore as the ultimate requisites of such nails. They were perfected before they were placed on the market. In practical use it will be found that their points bite into the wood under a slight blow and they "go home" quickly, straight and true. They have the right degree of hardness without undue brittleness—they can be broken if you set out to break them but they cannot be bent. One of our customers, who was



This illustrates the driving of Wheeling LaBelle Hardened Cut Nails through solid steel  $\frac{1}{8}$ -inch thick. (Slightly reduced from actual size)

building a house, walked in on the job and found the carpenter putting down a hardwood floor, using wire nails of which one in every three or four would bend. This man went back to his store and brought out a quantity of Wheeling Hardened Cut Flooring Nails, gave them to the carpenter who was utterly amazed at the difference in results. Not only did these nails drive per-

fectly but drew the joints together tightly and the flooring laid with these nails had an entirely different appearance from the part laid with ordinary wire nails. It is experience like this that proves the value of these exceptional nails. Wheeling LaBelle Hardened Cut Nails are offered with the full knowledge that they meet every requirement for hardwood flooring application and a superior nail for the purpose would be difficult to conceive.

Sizes	Lengths in Inches
3d . . . . .	1 $\frac{1}{4}$
4d . . . . .	1 $\frac{1}{2}$
5d . . . . .	1 $\frac{3}{4}$
6d . . . . .	2
7d . . . . .	2 $\frac{1}{4}$
8d . . . . .	2 $\frac{1}{2}$
9d . . . . .	2 $\frac{3}{4}$
10d . . . . .	3
12d . . . . .	3 $\frac{1}{4}$
16d . . . . .	3 $\frac{1}{2}$
20d . . . . .	4
30d . . . . .	4 $\frac{1}{2}$
40d . . . . .	5

Prices on request.





## Wheeling LaBelle Cut Nails

### FENCE AND SHEATHING NAILS



Fence Nail



Sheathing Nail

Sizes	Lengths in Inches	Advances over Base Price	Sizes	Lengths in Inches	Advances over Base Price
5d	1 $\frac{3}{4}$	\$0.75	10d	3	\$0.40
6d	2	.60	12d	3 $\frac{1}{4}$	.35
7d	2 $\frac{1}{4}$	.55	16d	3 $\frac{1}{2}$	.30
8d	2 $\frac{1}{2}$	.50	20d	4	.25
9d	2 $\frac{3}{4}$	.50			

### FINE FINISHING NAILS



Sizes	Lengths in Inches	Advances over Base Price
3d	1 $\frac{1}{4}$	\$2.00
4d	1 $\frac{1}{2}$	1.80
5d	1 $\frac{3}{4}$	1.50
6d	2	1.20
7d	2 $\frac{1}{4}$	.95
8d	2 $\frac{1}{2}$	.85
9d	2 $\frac{3}{4}$	.85
10d	3	.70

### ANNEALED LIGHT BARREL AND LINING NAILS



Lining Nail



Light Barrel

Lengths in Inches	Advances over Base Price
$\frac{3}{4}$	\$3.00
$\frac{7}{8}$	2.75
1	2.50
1 $\frac{1}{8}$	2.25
1 $\frac{1}{4}$	2.00
1 $\frac{3}{8}$	1.75
1 $\frac{1}{2}$	1.50

### SHINGLE NAILS



Sizes	Lengths in Inches	Advances over Base Price
2d	1	\$1.75
3d	1 $\frac{1}{4}$	1.55
3 $\frac{1}{2}$ d	1 $\frac{3}{8}$	1.35
4d	1 $\frac{1}{2}$	1.10
5d	1 $\frac{3}{4}$	.75
6d	2	.60

### CASING, FLOORING, BOX AND FINISHING NAILS



Casing Nail



Flooring Nail  
N. Y. Pattern



Box Nail\*



Finishing Nails  
N.Y. Pat.—Southern Pat.



Sizes	Lengths in Inches	Advances over Base Price
3d	1 $\frac{1}{4}$	\$1.70
4d	1 $\frac{1}{2}$	1.40
5d	1 $\frac{3}{4}$	1.30
6d	2	1.00
7d	2 $\frac{1}{4}$	.75
8d	2 $\frac{1}{2}$	.65
9d	2 $\frac{3}{4}$	.65
10d	3	.45
12d	3 $\frac{1}{4}$	.40
16d	3 $\frac{1}{2}$	.35
20d	4	.30
30d	4 $\frac{1}{2}$	.30
40d	5	.30

\*Furnished in 3d to 20d only.

### FINE NAILS



Sizes	Lengths in Inches	Advances over Base Price
2d	1	\$2.25
3d	1 $\frac{1}{8}$	2.00
4d	1 $\frac{3}{8}$	1.80





# Wheeling LaBelle Cut Nails

## SLATING NAILS



Sizes	Lengths in Inches	Advances over Base Price
3d. . . . .	1 1/4	\$1.25
3 1/2 d. . . . .	1 3/8	1.15
4d. . . . .	1 1/2	1.00
5d. . . . .	1 3/4	.75
6d. . . . .	2	.65

## ANNEALED HOOP NAILS



Sizes	Lengths in Inches	Advances over Base Price
. . . . .	3/4	\$2.65
. . . . .	7/8	2.00
. . . . .	1	1.80
. . . . .	1 1/8	1.65
. . . . .	1 1/4	1.55
. . . . .	1 1/2	1.35
. . . . .	1 3/4	1.25
. . . . .	1 7/8	1.15
. . . . .	2	1.10

## ROOFING AND COTTAGE NAILS



Roofing  
Nail



Cottage  
Nail

Sizes	Lengths in Inches	Advances over Base Price
. . . . .	3/4	\$2.25
. . . . .	7/8	2.00
. . . . .	1	1.75
2d. . . . .	1 1/8	1.65
2 1/2 d. . . . .	1 1/4	1.55
3d. . . . .	1 1/2	1.35
3 1/2 d. . . . .	1 3/4	1.25
4d. . . . .	1 7/8	1.10

## BARREL AND COOPER NAILS



Common  
Barrel Nail

Sizes	Lengths in Inches	Advances over Base Price
. . . . .	3/4	\$2.25
. . . . .	7/8	2.00
. . . . .	1	1.90
2d. . . . .	1 1/8	1.75
2 1/2 d. . . . .	1 1/4	1.65
3d. . . . .	1 1/2	1.45
3 1/2 d. . . . .	1 3/4	1.15
4d. . . . .	1 7/8	1.00



Cooper  
Nail

Sizes	Lengths in Inches	Advances over Base Price
. . . . .	3/4	\$2.65
. . . . .	7/8	2.00
. . . . .	1	1.80
2d. . . . .	1 1/8	1.65
2 1/2 d. . . . .	1 1/4	1.55
3d. . . . .	1 1/2	1.40
3 1/2 d. . . . .	1 3/4	1.35
4d. . . . .	1 7/8	1.35

## ANNEALED CLINCH NAILS



Lengths in Inches	Advances over Base Price
1 1/4 . . . . .	\$1.55
1 1/2 . . . . .	1.35
1 3/4 . . . . .	1.25
1 7/8 . . . . .	1.15
2 . . . . .	1.10
2 1/4 . . . . .	1.05
2 1/2 . . . . .	1.00
2 3/4 . . . . .	1.00
3 . . . . .	.90
3 1/4 . . . . .	.85
3 1/2 . . . . .	.85
4 . . . . .	.80

## ANNEALED CLOUT NAILS



Sizes	Lengths in Inches	Advances over Base Price
. . . . .	3/4	\$2.65
. . . . .	7/8	2.00
. . . . .	1	1.80
2d. . . . .	1 1/8	1.65
2 1/2 d. . . . .	1 1/4	1.55
3d. . . . .	1 1/2	1.35
4d. . . . .	1 3/4	1.25
5d. . . . .	1 7/8	1.15
5 1/2 d. . . . .	2	1.10
6d. . . . .	2	1.10

## ANNEALED HINGE NAILS



Sizes	Lengths in Inches	Advances over Base Price
6d. . . . .	2	\$1.10
7d. . . . .	2 1/4	1.05
8d. . . . .	2 1/2	1.00
9d. . . . .	2 3/4	1.00
10d. . . . .	3	.90
12d. . . . .	3 1/4	.85
16d. . . . .	3 1/2	.85
20d. . . . .	4	.80





# Wheeling LaBelle Cut Nails

## WAREHOUSE OR LARGE COOPER NAILS

Sizes	Lengths in Inches	Advances over Base Price
5d . . . . .	1 $\frac{3}{4}$	\$0.75
6d . . . . .	2	.60
7d . . . . .	2 $\frac{1}{4}$	.55
8d . . . . .	2 $\frac{1}{2}$	.50
9d . . . . .	2 $\frac{3}{4}$	.50
10d . . . . .	3	.40
12d . . . . .	3 $\frac{1}{4}$	.35

## BOAT NAILS

Sizes	Lengths in Inches	Advances over Base Price
...	$\frac{7}{8}$	\$2.25
2d	1	2.00
3d	1 $\frac{1}{4}$	1.55
4d	1 $\frac{1}{2}$	1.35
5d	1 $\frac{3}{4}$	1.25
6d	2	1.10
7d	2 $\frac{1}{4}$	1.05
8d	2 $\frac{1}{2}$	1.00
9d	2 $\frac{3}{4}$	1.00
10d	3	.90
12d	3 $\frac{1}{4}$	.85
16d	3 $\frac{1}{2}$	.80
20d	4	.80
...	4 $\frac{1}{4}$	.80
30d	4 $\frac{1}{2}$	.80
40d	5	.80
50d	5 $\frac{1}{2}$	.80
60d	6	.80

## ANNEALED FIRE DOOR CLINCH NAILS

Sizes	Lengths in Inches	Advances over Base Price
6d . . . . .	2	\$2.00
7d . . . . .	2 $\frac{1}{4}$	1.95
8d . . . . .	2 $\frac{1}{2}$	1.90
9d . . . . .	2 $\frac{3}{4}$	1.80
10d . . . . .	3	1.70

La Belle  
Standard

## COMMON NAILS Chisel Point

Sizes	Lengths in Inches	Advances over Base Price
6d . . . . .	2	\$0.80
7d . . . . .	2 $\frac{1}{4}$	.75
8d . . . . .	2 $\frac{1}{2}$	.70
9d . . . . .	2 $\frac{3}{4}$	.70
10d . . . . .	3	.60

## LARGE FLAT HEAD FOUNDY NAILS

Sizes	Lengths in Inches	Advances over Base Price
6d	2	\$0.60
7d	2 $\frac{1}{4}$	.55
8d	2 $\frac{1}{2}$	.50
9d	2 $\frac{3}{4}$	.50
10d	3	.40
12d	3 $\frac{1}{4}$	.35
16d	3 $\frac{1}{2}$	.30
20d	4	.25
30d	4 $\frac{1}{2}$	.25
40d	5	.25
50d	5 $\frac{1}{2}$	.25
60d	6	.25





# Wheeling LaBelle Cut Nails



## CUT SPIKES

Lengths—4 to 8 inches, inclusive.  
Advance over base price, all sizes 25c.

## BOAT SPIKES

Lengths—3 to 8 inches inclusive.  
Thickness— $\frac{1}{4}$  to  $\frac{3}{8}$  inch inclusive.  
Advance over base price, all sizes . . . \$0.75

## SPECIAL CUT NAILS

TOBACCO WAREHOUSE NAILS

TOBACCO BOX NAILS

LARGE COOPER NAILS

Facilities are such that any style or size of cut nails  
may be made to sample.

## HARDENED CUT NAILS

Hardened Nails may be supplied in any size from  
1 to 6 inches on special order. Prices quoted upon  
receipt of described requirements.

## SPECIAL EXTRAS ON WHEELING LABELLE CUT NAILS

Annealed Nails . . . . .	per 100 lbs.	\$0.25
Blued Nails . . . . .	per 100 lbs.	.35
Zinc Coated—Electro Process . . . . .	per 100 lbs.	1.75
Zinc Coated—Hot Process, 1 inch and longer . . . . .	per 100 lbs.	2.25
Zinc Coated—Hot Process, shorter than 1 inch . . . . .	per 100 lbs.	2.50
50-pound Kegs . . . . .	per 100 lbs.	.20
25-pound Packing . . . . .	per 100 lbs.	1.00
Head lining Kegs — Cleating Kegs . . . . .	per 100 lbs.	.05

All extras herein mentioned are subject to change without notice





# Wheeling LaBelle Tack Machine Cut Nails

## Trunk Nails

Bright or Blued



Lengths	1½"	1¼"	1"	¾"	¾"	5/8"
List Prices per 100 pounds						
25-lb. Wood Boxes. . . . .	\$30.50	\$30.95	\$31.25	\$32.85	\$33.35	\$34.35
100-lb. Kegs. . . . .	27.25	27.70	28.00	29.60	30.10	31.10

## Basket Nails

Bright or Blued



25-lb. Wood Boxes. . . . .	32.35	33.10	34.50	35.45	37.15	39.25
100-lb. Kegs. . . . .	29.10	29.85	31.25	32.20	33.90	36.00

## Clout Nails

Bright or Blued



25-lb. Wood Boxes. . . . .	31.25	32.20	33.85	34.70	36.15	37.25
100-lb. Kegs. . . . .	28.00	28.95	30.60	31.45	32.90	34.00

## Shingle Nails

Bright or Blued



Sizes	3d	3½d	4d	5d
Lengths	1¼"	1¾"	1½"	1¾"
Advances per Keg over Base Price . . . . .	\$2.15	\$2.05	\$1.95	\$1.85

# WHEELING LABELLE CUT TACKS

Bright or Blued

## Bill Posters Tacks

## Carpet Tacks

## Upholsterers Tacks

## Trimmers Tacks

## Basket Tacks

## Trunk Tacks

Lengths	¾"	11/16"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"
Size Nos.	14	12	10	8	6	4	3	2½
List Prices per 100 pounds								
25-lb. Wood Boxes . . . . .	\$30.25	\$30.70	\$31.05	\$31.35	\$31.65	\$34.05	\$36.80	\$39.30
100-lb. Kegs. . . . .	27.00	27.45	27.80	28.10	28.40	30.80	33.55	36.05
25-lb. Wood Boxes . . . . .	33.50	34.05	35.20	35.75	37.45	39.25	41.10	.....
100-lb. Kegs. . . . .	30.25	30.80	31.95	32.50	34.20	36.00	37.85	.....
25-lb. Wood Boxes . . . . .	33.50	34.05	35.75	37.30	39.55	41.85	44.35	54.20
100-lb. Kegs. . . . .	30.25	30.80	32.50	34.05	36.30	38.60	41.10	50.95
25-lb. Wood Boxes . . . . .	34.50	35.75	36.85	38.95	41.05	46.00	51.70	55.05
100-lb. Kegs. . . . .	31.25	32.50	33.60	35.70	37.80	42.75	48.45	51.80
25-lb. Wood Boxes . . . . .	36.85	39.05	39.50	40.55	44.70	47.10	55.30	.....
100-lb. Kegs. . . . .	33.60	35.80	36.25	37.30	41.45	43.85	52.05	.....
25-lb. Wood Boxes . . . . .	33.90	.....	35.50	36.55	37.85	.....	.....	.....
100-lb. Kegs. . . . .	30.65	.....	32.25	33.30	34.60	.....	.....	.....

## Gimp Tacks

## Lace Tacks

Lengths	6"	11/16"	5/8"	9/16"	1/2"	7/16"	3/8"	5/16"
Size Nos.	12	10	8	6	4	3	2½	2
25-lb. Wood Boxes . . . . .	\$35.30	.....	\$37.55	\$38.05	\$45.35	\$46.30	\$57.20	\$63.20
100-lb. Kegs. . . . .	32.05	.....	34.30	34.80	42.10	43.05	53.95	59.95
25-lb. Wood Boxes . . . . .	40.20	\$41.25	42.60	47.25	49.30	54.20	58.35	.....
100-lb. Kegs. . . . .	36.95	38.20	39.35	44.00	46.05	50.95	55.10	.....





# Wheeling Hand-Dipped Metalware

MADE OF

**COP-R-LOY**

REG. U. S. PAT. OFF.



The nationally advertised, nationally accepted standard of Pails, Tubs, Ash and Garbage Cans, Rubbish Burners, Coal Hods, Fire Shovels, Oil Cans, Gasoline Cans, Portable Ovens, and other everyday essentials for home, farm, and industrial uses. Wheeling Metalware, the only kind made of COP-R-LOY and Hand-Dipped in

pure molten zinc, is identified by the Wheeling registered Red Label, the most widely known trademark on metalware in America. To secure this fast selling line inquiries should be directed to the nearest Wheeling warehouse or to the main office. Shipments are made promptly from stock.





## Wheeling One-Piece Corrugated Riveted Culvert Pipe



### Pure Zinc Coated (Galvanized)—Guaranteed Full 2 Oz. Coating

For use in public roads, state and national highways, streets, turnpikes, driveways, farm entrances, drainage ditches, steam and electric railway lines. Also for storm sewers, conduits, manhole casings, well and cistern casings, conveyor pipes, exhaust and drain pipes, telegraph, telephone, and power line pole sleeves.

**M**ADE from several analyses of base metal and supplied in a full range of sizes and gauges, Wheeling Culverts are built to conform to the most rigid standards and requirements of various county, state, government, and railroad specifications.

Wheeling Culverts are purchased by many State Highway Departments and have been used in some of the most important road projects of the country.

With fabricating facilities at Martins Ferry, Ohio; Philadelphia, Pennsylvania; Chattanooga, Tennessee; Richmond, Virginia; Kansas City, Missouri; Minneapolis, Minnesota; Des Moines, Iowa, and St. Louis, Missouri, culverts may be supplied in any quantity to all parts of the country.

Prices will be quoted promptly on receipt of specifications.





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